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HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY ENVIRONMENTAL SERVICES

Certified Mail No.:

Activity No.: 20070006
Agency Interest No. 1314

Mr. Marcus Lewis
Plant Manager
Rhodia, Inc.
P.O. Box 828
Baton Rouge, Louisiana 70821-0828

RE: Part 70 Permit Renewal/modification, Rhodia, Inc. - Sulfuric Acid Plant - Baton Rouge Facility, Baton Rouge, East Baton Rouge Parish, Louisiana

Dear Mr. Lewis:

This is to inform you that the permit renewal/modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2014, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this _____ day of _____, 2009.

Permit No.: 0840-00033-V2

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:sjt
c: US EPA Region VI

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
RHODIA, INC. - SULFURIC ACID PLANT
PROPOSED PART 70 AIR OPERATING PERMIT MODIFICATION/RENEWAL

The LDEQ, Office of Environmental Services, is accepting written comments on the Part 70 Air Operating Permit modification/renewal for Rhodia, Inc., 1275 Airline Hwy, Baton Rouge, Louisiana 70805 for the Sulfuric Acid Plant. **The facility is located at 1275 Airline Hwy, Baton Rouge, East Baton Rouge Parish.**

Rhodia, Inc. requested a permit modification to include the following changes.

As part of Rhodia's consent decree for the Baton Rouge facility, Rhodia will install packed bed scrubbers on Sulfuric Acid Unit No. 1 and Unit No. 2 to control SO₂ emissions, which will be reduced by more than 10,000 TPY by the completion of Phase III of the project. Also as part of the consent decree, the Environmental Protection Agency (EPA) agreed to allow the Sulfuric Acid Plant to undergo an expansion project. This project will allow the facility to increase its total Sulfuric Acid (H₂SO₄) production from 2,200 tons/day to 2,800 tons/day. Specifically, the capacity of Sulfuric Acid Unit No.1 (EPN 3) will increase from 700 tons/day to 900 tons/day of sulfuric acid, and the capacity of Sulfuric Acid Unit No. 2 (EPN 2) will increase from 1,500 tons/day to 1,900 tons/day. The capacity increase will be accomplished with a series of debottlenecking projects.

In addition to the emission changes resulting from the abatement/debottlenecking project, Rhodia is requesting the following changes with this permit renewal/modification.

- Create a new emissions cap, Cap-Comb, for overall combustion emissions from the Rental Boiler, Sulfuric Acid Unit No. 1, and Sulfuric Acid Unit No. 2;
- Create Process Groups to better manage speciation of toxic air pollutants;
- Add Treatment Services Sumps (EPN M3) into the Title V Permit;
- Incorporate requirements of Rhodia's consent decree into the Title V Permit;
- Reconcile certain emission rates based on new guidance regarding rounding and maximum hourly emission rates;
- Replace Unit 1 cooling tower (EPN M1b) due to structural integrity concerns. The new tower is of similar design and identical capacity and emissions;
- Revise PM₁₀ emissions to include sulfuric acid mist emissions;
- Add a new caustic tank as an insignificant activity;
- Incorporate an insignificant case-by-case activity (approved June 2008) into the permit's GCXVII emissions;
- Revise metals emission rates for consistency with the BIF permit. This change results in 9 TAP metals being permitted above their respective minimum emission rates (MERs) per LAC 33:III.Chapter 51;
- Revise emissions for GCXVII activity regarding stack washings;
- Incorporate three new permit shield requests; and
- Reconcile hydrogen sulfide emissions from the sulfur feed tank in light of data collected at a similar Houston facility.

The revised application submitted on April 8, 2009 adjusted projected sulfuric acid mist emissions and incorporated an updated PSD analysis.

This permit contains a permit shield.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	7.13	54.52	+47.39
SO ₂ (Phase I)	12,482.61	12449.35	-33.26
SO ₂ (Phase II)	12449.35	4725.98	-7723.37
SO ₂ (Phase III)	4725.98	1077.79	-3648.19
NO _x	284.63	115.58	-169.05
CO	109.08	95.43	-13.65
VOC	25.84	26.16	+0.32
Includes sulfuric acid mist			
Phase I is effective from issuance of this permit through December 31, 2010.			
Phase II is effective from January 1, 2011 through April 30, 2012.			
Phase III becomes effective on May 1, 2012.			

Total HAP emissions are capped under 8.92 TPY.

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, November 12, 2009.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The application, addendums, proposed permit and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

An additional copy may be reviewed at the East Baton Rouge Parish, Scotlandville Branch, 7373 Scenic Highway, Baton Rouge, LA 70807.

Inquiries or requests for additional information regarding this permit action should be directed to Scott J. Templet, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3059.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tbid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 1314, Permit Number 0840-00033-V2, and Activity Number PER20070006.

Scheduled Publication Date: October 8, 2009

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Sulfuric Acid Plant - Baton Rouge Facility
Rhodia, Inc.
Agency Interest No.: 1314; PER20070006
Baton Rouge, East Baton Rouge Parish, Louisiana**

I. Background

Rhodia Inc. (Rhodia) operates a Sulfuric Acid Plant located in Baton Rouge, East Baton Rouge Parish, Louisiana. The facility produces sulfuric acid by using two sulfuric acid production trains (Unit No. 1 and Unit No. 2). Unit No. 1 was constructed in 1953 and unit No. 2 was constructed in 1968. Previously the facility operated under Title V Permit 0840-00032-V0 dated October 12, 2005 and Title V General Permit No. 3032-V1 issued December 13, 2006. Currently the facility operates under a consolidated Title V Permit 0840-00032-V1 dated March 14, 2007.

Rhodia has entered into a Consent Decree (Civil Action No. 2:07CV134 WL) with the United States and various State parties including Louisiana, effective July 23, 2007. This Consent Decree requires Rhodia to install controls for SO₂ emissions at their various plant sites nation wide. The requirements for the Baton Rouge Facility have been incorporated into this permit.

II. Origin

An air permit application and Emission Inventory Questionnaire (EIQs) were submitted by Rhodia, Inc. on October 5, 2007 requesting a Part 70 operating permit renewal/modification. Additional information dated October 6, 2008, February 25, 2009, February 26, 2009, March 6, 2009, March 11, 2009, March 19, 2009, March 20, 2009, March 24, 2009, April 6, 2009, April 14, 2009, April 23, 2009, April 24, 2009, April 29, 2009, May 13, 2009, May 14, 2009, May 18, 2009, and September 21, 2009 were also received. A revised application was received on April 8, 2009.

III. Description

Sulfuric Acid Plant

Rhodia receives spent sulfuric acid and hazardous waste fuels from off-site sources and recovers the sulfur and energy values in its industrial furnaces, forming fresh sulfuric acid. The sulfuric acid production process begins with treatment of the feed streams in the industrial furnace. Liquids are sprayed using atomizers into the combustion chamber. Normal operating conditions are 2 to 4% excess furnace oxygen and furnace temperature between 1800°F and 2200°F at the furnace discharge. Furnace residence time is approximately three seconds. The feed streams are producing steam for process use. Gas from the waste heat boiler is further cooled and cleaned in the gas scrubbing system. This system includes spray scrubbing and wet electrostatic precipitators to remove acid mist and particulate emissions.

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Cooling systems reduce the gas temperature from 600°F to 100°F. The wet gas is then dried through counter-current packed flow columns circulating ≥93% sulfuric acid. Dry gas is heated to 800°F before the sulfur dioxide is converted to sulfur trioxide using catalyst. Because the conversion step to sulfur trioxide is exothermic, the hot exhaust gas is used to heat up the incoming feed by cross-current heat exchange.

Sulfur trioxide from the converter enters a countercurrent packed absorption tower. Strong sulfuric acid absorbs and hydrolyzes the sulfur trioxide to sulfuric acid. The demisters are the final pollution control device, removing primarily sulfuric acid mist generated in the acid tower. The demisters also control HCl and particulate emissions.

The preceding process description pertains to Unit No. 1. The Unit No. 2 process is slightly different. After the drying step, the gas enters a second sulfur burning furnace, followed by a hot gas filter. This added step heats the gas, affording a second occasion for combustion. Unit No. 2 has over twice the capacity of Unit No. 1. Equipment is sized proportionately, with Unit No. 2 having a longer residence time.

Waste Storage

Seven tanks have been constructed specifically for the storage of hazardous waste. These seven tanks are located in the truck and rail unloading facility and operate under a nitrogen pad. A positive pressure vent system is tied into Unit No. 2 or to the TS Vapor Combustor to burn all fumes and vapors.

Package Boiler

The package boiler provides backup and supplemental steam production to Units No. 1 and No. 2. It is rated for 80,000 lbs/hr steam production with a heat input of 106 MMBtu/hr and is permitted for an annual average heat input of 50 MMBtu/hr. It is fired with natural gas only and is equipped with low-NOx burners and a continuous flue gas oxygen analyzer.

Rental Boiler

The rental boiler provides backup steam production to Units No. 1 and No. 2 and the package boiler. It is fired with natural gas only and has a maximum firing rate of 133 MMBtu/hr but is limited to a 12-month rolling average firing rate of 10.4 MMBtu/hr per 40 CFR 60.44b(j)(2).

As part of Rhodia's consent decree for the Baton Rouge facility, Rhodia will install packed bed scrubbers on Sulfuric Acid Unit No. 1 and Unit No. 2 to control SO₂ emissions, which will be reduced by more than 10,000 TPY by the completion of Phase III of the project. Also as part of

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Rhodia, Inc.**

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Baton Rouge, East Baton Rouge Parish, Louisiana**

the consent decree, the Environmental Protection Agency (EPA) agreed to allow the Sulfuric Acid Plant to undergo an expansion project. This project will allow the facility to increase its total Sulfuric Acid (H_2SO_4) production from 2,200 tons/day to 2,800 tons/day. Specifically, the capacity of Sulfuric Acid Unit No.1 (EPN 3) will increase from 700 tons/day to 900 tons/day of sulfuric acid, and the capacity of Sulfuric Acid Unit No. 2 (EPN 2) will increase from 1,500 tons/day to 1,900 tons/day. The capacity increase will be accomplished with a series of debottlenecking projects.

In addition to the emission changes resulting from the abatement/debottlenecking project, Rhodia is requesting the following changes with this permit renewal/modification.

- Create a new emissions cap, Cap-Comb, for overall combustion emissions from the Rental Boiler, Sulfuric Acid Unit No. 1, and Sulfuric Acid Unit No. 2;
- Create Process Groups to better manage speciation of toxic air pollutants;
- Add Treatment Services Sumps (EPN M3) into the Title V Permit;
- Incorporate requirements of Rhodia's consent decree into the Title V Permit;
- Reconcile certain emission rates based on new guidance regarding rounding and maximum hourly emission rates;
- Replace Unit 1 cooling tower (EPN M1b) due to structural integrity concerns. The new tower is of similar design and identical capacity and emissions;
- Revise PM_{10} emissions to include sulfuric acid mist emissions;
- Add a new caustic tank as an insignificant activity;
- Incorporate an insignificant case-by-case activity (approved June 2008) into the permit's GCXVII emissions;
- Revise metals emission rates for consistency with the BIF permit. This change results in 9 TAP metals being permitted above their respective minimum emission rates (MERs) per LAC 33:III.Chapter 51;
- Revise emissions for GCXVII activity regarding stack washings;
- Incorporate three new permit shield requests; and
- Reconcile hydrogen sulfide emissions from the sulfur feed tank in light of data collected at a similar Houston facility.

The revised application submitted on April 8, 2009 adjusted projected sulfuric acid mist emissions and incorporated an updated PSD analysis.

Estimated emissions in tons per year are as follows:

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Baton Rouge, East Baton Rouge Parish, Louisiana**

Pollutant	Before	After	Change
PM ₁₀	7.13	54.52*	+47.39
SO ₂ (Phase I)	12,482.61	12449.35	-33.26
SO ₂ (Phase II)	12449.35	4725.98	-7723.37
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NO _x	284.63	115.58	-169.05
CO	109.08	95.43	-13.65
VOC	25.84	26.16	+0.32

*Includes sulfuric acid mist

Phase I is effective from issuance of this permit through December 31, 2010.

Phase II is effective from January 1, 2011 through April 30, 2012.

Phase III becomes effective on May 1, 2012.

Total HAP emissions are capped under 8.92 TPY.

For a list of VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs) and its respective emission rates in tons per year see the TPOR0146 report – Emission Rates For TAP/HAP & Other Pollutants.

IV. Type Of Review

This application was reviewed for compliance with the Louisiana Part 70 operating permit program, Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) and Nonattainment New Source Review (NNSR) do not apply.

A Prevention of Significant Deterioration (PSD) and Non-Attainment New Source Review (NNSR) analysis was conducted to determine if the proposed modification is above the threshold values for a Significant Net Increase per LAC 33:III.504.L, 504.M, and 509. NOx emissions from the proposed project will increase less than 25 tons/year, but more than the non-attainment new source review (NNSR) significance level of 5 tons/year. A netting analysis was required; however, no credible change occurred during the contemporaneous period. Therefore, the project increase is less than the Major Modification Significant Net Increase of 25 tons/year, so NNSR is not required. The proposed net increase in emissions, on a baseline actual-to-

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projected actual basis, along with the Significant Net Increase thresholds are listed below in Table 1.

The PSD analysis for NO_x, Sulfuric Acid Mist, and PM₁₀ uses a Baseline Actual Emissions (BAE) to Projected Actual Emissions (PAE) approach which excludes those emissions from the PAE for Sulfuric Acid Unit No. 1 and Unit No. 2 emissions that could have been accommodated during the baseline period and that are unrelated to the proposed project (per LAC 33:III.509).

TABLE 1: PROPOSED NET INCREASE COMPARED TO THE SIGNIFICANT NET INCREASE THRESHOLDS

Pollutant	Projected Actual Emissions (tpy)	Post-Project Potential to Emit (tpy)	Additional Emissions Capable of Accommodating	Baseline Actual Emissions (tpy)	Delta (tpy)	Significant Net Increase (tpy)	Above Threshold? (Yes/No)
PM ₁₀	41.29 ¹	51.10	4.19	26.40	14.89	15	No
SO ₂	1075.00	1075.00	N/A	8279.51	-7204.51	40	No
NO _x	72.75 ¹	91.98	9.11	48.55	24.20	25	No
CO	51.20	51.20	N/A	19.03	32.17	100	No
VOC	8.58	8.58	N/A	4.30	4.28	25	No
Lead	0.01	0.01	N/A	0.0008	0.0092	0.6	No
Sulfuric Acid Mist	33.10 ¹	41.90	4.19	26.40	6.70	7.0	No

¹ The projected actual emissions exclude those emissions which the units were capable of accommodating during the baseline period per LAC 33:III.509.

NOTE: Even though the Post-Project Potential to Emit emissions are utilized as permitting limits, if the actual emissions exceed the Projected Actual Emissions such that the Significant Net Increase is met or exceeded, then a PSD Initial application and a Title V Modification application shall be submitted to LDEQ within 180 days.

This facility is a major source of criteria pollutants. The facility is also a major source of Toxic Air Pollutants (TAPs) under LAC 33:III.Chapter 51. The facility is not a major source of Hazardous Air pollutants (HAPs); however, wastewater and wastewater residuals from facilities subject to 40 CFR 63 Subpart G and other MACT standards or NSPS may be treated at the facility. Therefore, the Sulfuric Acid Plant complies with any applicable provisions of these MACT/NSPS standards.

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Permit Shield

Per 40 CFR 70.6(f) and LAC 33:III.507.1, a permit shield has been determined for the referenced facility as follows:

1. Per 40 CFR 60.8(c), emissions in excess of a standard are not in violation during startup, shutdown, or malfunction events. Rhodia's Consent Decree defines startup as a 24-hour period, but there is no such definition in 40 CFR 60 Subpart H. Therefore, Rhodia has requested a permit shield from the 40 CFR 60 Subpart H 10% opacity limit and the 0.15 lbs/ton limit during 24-hour startup periods as allowed by the Consent Decree.
2. The Unit No. 1 and Unit No. 2 furnaces are treatment processes for certain waste streams regulated under 40 CFR 61 Subpart FF (Benzene Waste NESHAP). Per 40 CFR 61.348(e) certain requirements apply if the treatment process has any openings (e.g., access doors, hatches, etc.)

The furnaces operate at less than atmospheric pressure which is continuously monitored. Annual inspections per 61.348(e)(3)(ii) are conducted. Frequent inspections and repairs are conducted to minimize any cracks and unsealed openings. Very small openings may go undetected and/or not be repaired because the furnaces operate under vacuum. Occasionally, the furnaces may experience a short-term positive pressure when introducing a new feed to the furnace. This issue was reviewed with LDEQ for the recently issued BIF permit. The BIF permit requires that furnace pressure be maintained at -0.1 inches of water maximum, 10-second delay. The 10-second delay is allowed to normalize the pressure before automatically shutting down feeds to the furnace.

Rhodia requested a permit shield that allows compliance with 61.348(e) to be demonstrated by maintaining furnace pressure at -0.1 inches of water maximum, 10-second delay and operating furnace openings with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 61.355(h).

3. For the Treatment Services Fugitive Emissions (EIQ FUG-TS), per the Louisiana Fugitive Emissions Program Consolidation Guidelines, Rhodia follows a streamlined fugitive monitoring program with the Louisiana MACT Determination for Non-HON sources as the most stringent program. With this permit modification, Rhodia is

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reducing site-wide permitted emissions of all class I and II TAPs emitted from source FUG-TS to below their MERs. Thus, LA Non-HON MACT no longer applies. However, Rhodia is voluntarily choosing to continue to comply with the LA Non-HON MACT since the program is already in place. Therefore, Rhodia is requesting a permit shield to ensure that voluntarily complying with LA Non-HON MACT still ensures compliance with the underlying programs that were consolidated (40 CFR 264 Subpart BB and 40 CFR 61 Subpart V).

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2008. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Emissions associated with the proposed facility/modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS.

Dispersion Model(s) Used: ISCT3

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Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
Chlorine	8-Hour	26.71 $\mu\text{g}/\text{m}^3$	35.7 $\mu\text{g}/\text{m}^3$
Hydrochloric acid	8-Hour	134.82 $\mu\text{g}/\text{m}^3$	180.0 $\mu\text{g}/\text{m}^3$
Sulfuric acid	8-Hour	22.32 $\mu\text{g}/\text{m}^3$ *	23.8 $\mu\text{g}/\text{m}^3$
MIBK	8-Hour	323.02 $\mu\text{g}/\text{m}^3$	4880 $\mu\text{g}/\text{m}^3$
Antimony	8-Hour	0.466 $\mu\text{g}/\text{m}^3$	11.90 $\mu\text{g}/\text{m}^3$
Arsenic	Annual	0.00004 $\mu\text{g}/\text{m}^3$	0.02 $\mu\text{g}/\text{m}^3$
Barium	8-Hour	0.884 $\mu\text{g}/\text{m}^3$	11.90 $\mu\text{g}/\text{m}^3$
Chromium VI	Annual	0.00004 $\mu\text{g}/\text{m}^3$	0.01 $\mu\text{g}/\text{m}^3$
Copper	8-Hour	0.40913 $\mu\text{g}/\text{m}^3$	23.80 $\mu\text{g}/\text{m}^3$
Manganese	8-Hour	0.27827 $\mu\text{g}/\text{m}^3$	4.76 $\mu\text{g}/\text{m}^3$
Nickel	Annual	0.00004 $\mu\text{g}/\text{m}^3$	0.21 $\mu\text{g}/\text{m}^3$
Selenium	8-Hour	0.35001 $\mu\text{g}/\text{m}^3$	4.76 $\mu\text{g}/\text{m}^3$
Zinc	8-Hour	0.80561 $\mu\text{g}/\text{m}^3$	119.00 $\mu\text{g}/\text{m}^3$
SO ₂	Annual	21.88 $\mu\text{g}/\text{m}^3$	(80 $\mu\text{g}/\text{m}^3$)
	24-Hour	335.04 $\mu\text{g}/\text{m}^3$	(365 $\mu\text{g}/\text{m}^3$)
	3-Hour	1017.57 $\mu\text{g}/\text{m}^3$	(1300 $\mu\text{g}/\text{m}^3$)

*Phase I emissions (worst case)

VIII. General Condition XVII

ID No.	Work Activity	Schedule	Emission Rates – tons				
			PM ₁₀	SO ₂	NO _X	CO	VOC
GC1	Catalyst reconditioned in Sulfuric Acid Unit No. 1 & 2	Once each 24 months per unit	0.2				
GC2	Drum re-packaging	4 times per year				0.002	
GC3	Vacuum trucks used for tank cleanouts, spill cleanup, and sump clean out	Weekly				0.06	
GC4	Tank and process equipment cleaning					0.90	

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ID No.	Work Activity	Schedule	Emission Rates – tons				
			PM ₁₀	SO ₂	NO _X	CO	VOC
GC5	Opening of truck and railcars containing waste fuel and spent acid for sampling, inspection, maintenance, or further processing	Daily					0.02
GC6	Sampling waste fuel trucks and railcars via sample tap	10 times per day					0.01
GC7	Sampling spent acid and IFS trucks, railcars, and barges	8 times per day					0.004
GC8	Washing inside surface of Unit No. 1 & 2 exhaust stacks	4 each Unit/Yr			1.33		0.03*
GC9	Odor-neutralizing compounds					0.06	
GC10	Manual gauging of tank levels					0.002	
GC11	Melting sulfur solidified in piping and other equipment at the old sulfur pit (formerly EIQ 18)			<0.001			<0.001#
GC12	Sampling for moisture content, stack gauging, and pressure readings from gas streams				<0.1		
GC13	Loading fresh acid onto heel of spent acid			0.003		0.004	
GC14	Acid Plant Vapor Combustor (APVC) routine maintenance	96 hours per year (max)				3.25	
GC15	Unloading containers of spent acid with small percentage of chlorinated VOCs	1 per week		0.50		0.06	**

*Sulfuric Acid Mist
#Hydrogen Sulfide
**Speciated VOCs covered by Spend Acid Process permitted emissions

IX. Insignificant Activities

ID No.	Description	Operating Rate (Max) or Tank Capacity	Regulation
20D962	Diesel Storage Tank, Firewater Pump	300 gal	LAC 33:III.501.B.5.A.3
90D360	Diesel Storage Tank, Maintenance	1000 gal	LAC 33:III.501.B.5.A.3
	Diesel Storage Tank, IFS	1000 gal	LAC 33:III.501.B.5.A.3
91D321	IFS Wash-water Storage Tank	9000 gal	LAC 33:III.501.B.5.A.3
13D100	Caustic Tank at WWTU	11,800 gal	LAC 33:III.501.B.5.A.10
13D200	Caustic Tank at Sewage Treatment Plant	21,975 gal	LAC 33:III.501.B.5.A.10

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Sulfuric Acid Plant - Baton Rouge Facility
Rhodia, Inc.
Agency Interest No.: 1314; PER20070006
Baton Rouge, East Baton Rouge Parish, Louisiana**

ID No.	Description	Operating Rate (Max) or Tank Capacity	Regulation
30D550	50% Caustic TK 55	10,500 gal	LAC 33:III.501.B.S.A.10
30D560	30% Caustic TK 56	10,500 gal	LAC 33:III.501.B.S.A.10
20D916	Unit 2 Cooling Tower Caustic Tank	9,900 gal	LAC 33:III.501.B.S.A.10
20D880	SO2 Scrubber 50% Caustic Tank	24,000 gal	LAC 33:III.501.B.S.A.10
90D210	Laboratory Excess Sample Tank	100 gal	LAC 33:III.501.B.S.A.5
Hoods	Different Analyses*	N/A	LAC 33:III.501.B.S.A.6
	Drum Washing Operations	55 gal	LAC 33:III.501.B.S.A.8

*Vents associated with exhaust hoods for laboratory equipment used exclusively for routine chemical and physical analysis with the purpose of quality control or environmental monitoring purposes.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Sulfuric Acid Plant - Baton Rouge Facility
Rhodia, Inc.
Agency Interest No.: 1314; PER20070006
Baton Rouge, East Baton Rouge Parish, Louisiana

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	9	11	13	15	1701	2103	2107	2108	2111	2113	2115	2121	2122	2147	2153	51*	56	59*
UNF002	Facility Wide	1	1	1	1													1	1	1
ARE002	M4 - West End Sump																			
ARE003	M3 - Treatment Services Sumps																			
EQT008	30D260 - Spent Acid Tank																			2
EQT140	10 - Preheater; Acid Unit No. 1																			
EQT141	11 - Lime Silos																			
EQT142	12 - Oleum Loading Vent Scrubber	-																		1
EQT146	20 - Sulfur Feed Tank																			
EQT147	21 - TS Vapor Combustor																			1
EQT149	24 - Oleum Barge Loading Scrubber	-																		1
EQT150	26 - Spent Acid Barge Loading Scrubber	-																	3	2
EQT151	27 - Acid Plant Vapor Combustor																			1
EQT152	28 - Gasoline Storage Tank																			1
EQT153	6-90 - Package Boiler																			
EQT154	M1a - Unit 2 Cooling Tower																			2
EQT155	M1b - Unit 1 Cooling Tower																			2
EQT285	20D380 - Unit 2 Weak Acid Tank																			
EQT157	30D030 - Oleum Tank																			
EQT158	30D040 - 93%Oleum																			
EQT159	30D050 - 99%W Tank																			
EQT161	30D070 - Spent Acid Tank																			
EQT163	30D100 - Spent Acid Tank																			2
EQT164	30D110 - Spent Acid Tank																			2
EQT165	30D120 - Spent Acid Tank																			2
EQT166	30D130 - Oleum Tank																			

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**Sulfuric Acid Plant - Baton Rouge Facility****Rhodia, Inc.**

Agency Interest No.: 1314; PER20070006
Baton Rouge, East Baton Rouge Parish, Louisiana

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																	
		5▲	9	11	13	15	1701	2103	2107	2108	2111	2113	2115	2121	2122	2147	2153	51*	56
EQT167	30D140 – 99/Oleum/Spent																		
EQT168	30D150 – 99/Oleum Spent																		
EQT169	30D160 – Spent Acid Tank																		
EQT170	30D180 – 93E Tank																		
EQT171	30D190 – Spent Acid Tank																		2
EQT173	30D210 – 93E Tank																		
EQT174	30D220 – 99WW Tank																		
EQT175	30D230 – 99C Tank																		
EQT176	20D120/30D240 – IFS Mix Tank																		1
EQT177	40D250 – Treatment Services Tank																		1
EQT178	40D280 – Treatment Services Tank																		1
EQT179	40D290 – Treatment Services Tank																		1
EQT180	40D200 – Treatment Services Tank																		1
EQT181	40D210 – Treatment Services Tank																		1
EQT182	40D300 – Treatment Services Tank																		1
EQT183	40D220 – Treatment Services Tank																		1
EQT184	30D103 – Sulfur Unloading Tank																		
EQT185	M7 – 001 Wastewater Treatment Unit																		
EQT186	1-06 – Rental Boiler	1		1	1	2												1	
FUG002	FUG-ACID – Acid Plant Fugitive Emissions					2											3		
FUG003	FUG-TS – Treatment Services Fugitive Emissions																3		1
GRP002	CAP-SAU – Sulfuric Acid Units 1 & 2																		
GRP021	CAP-Comb - Combustion (Unit 1, Unit 2, Rental Boiler)																		
RLP013	2 – Sulfuric Acid Unit No. 2																		1
RLP014	3 – Sulfuric Acid Unit No. 1																		1

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Sulfuric Acid Plant - Baton Rouge Facility
Rhodia, Inc.
Agency Interest No.: 1314; PER20070006
Baton Rouge, East Baton Rouge Parish, Louisiana

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																	
		5▲	9	11	13	15	1701	2103	2107	2108	2111	2113	2115	2121	2122	2147	2153	51*	56
PCS001	Sp-Proc - Spent Acid Process																		
PCS002	TS-Proc - TS Process																		
EQT277	13 - Acid Plant Caustic Scrubber	1	1																
EQT278	U1-Snbr - Unit 1 Tail Gas Scrubber		1																
EQT279	U2-Snbr - Unit 2 Tail Gas Scrubber			1															
EQT280	U1-Furn - Unit 1 Furnace				1													1	
EQT281	U2-RFurn - Unit 2 Regen Furnace					1													2
EQT282	U2-SFurn - Unit 2 Sulfur Furnace						1												
EQT283	U1-Proc - Unit 1 Process							1											
EQT284	U2-Proc - Unit 2 Process								1										

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
 -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
 Blank - The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Sulfuric Acid Plant - Baton Rouge Facility

Rhodia, Inc.

Agency Interest No: 1314: PFB20070006

Baton Rouge, East Baton Rouge Parish, Louisiana

X. Applicable Louisiana and Federal Air Quality Requirements

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**Sulfuric Acid Plant - Baton Rouge Facility****Rhodia, Inc.**

Agency Interest No.: 1314; PER20070006
Baton Rouge, East Baton Rouge Parish, Louisiana

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60						40 CFR 61						40 CFR 63						40 CFR 65						40 CFR 264							
		A	Cd	Db	H	K	Ka	Kb	A	J	M	V	FF	A	DD	EEE	F	G*	GGG*	Q	XX*	A	C	G	64	68	82	BB					
EQT168	30D150 - 99/Oleum Spent						3	3	1																								
EQT169	30D160 - Spent Acid Tank						3	3	1																								
EQT170	30D180 - 93E Tank						3	3	3																								
EQT171	30D190 - Spent Acid Tank						3	3	1																								
EQT173	30D210 - 93E Tank						3	3	3																								
EQT174	30D220 - 99WW Tank						3	3	3																								
EQT175	30D230 - 99C Tank						3	3	3																								
EQT176	20D120/30D240 - IFS Mix Tank						3	3	3																								
EQT177	40D250 - Treatment Services Tank						3	3	1																								
EQT178	40D280 - Treatment Services Tank						3	3	1																								
EQT179	40D290 - Treatment Services Tank						3	3	3																								
EQT180	40D200 - Treatment Services Tank						3	3	1																								
EQT181	40D210 - Treatment Services Tank						3	3	3																								
EQT182	40D300 - Treatment Services Tank						3	3	3																								
EQT183	40D220 - Treatment Services Tank						3	3	3																								
EQT184	30D103 - Sulfur Unloading Tank						3	3	3																								
EQT185	M7 - 001 Wastewater Treatment Unit						3	3	3																								
EQT186	1-06 - Rental Boiler						1																										
FUG002	FUG-ACID - Acid Plant Fugitive Emissions																																
FUG003	FUG-TS - Treatment Services Fugitive Emissions																																
GRP002	CAP-SAU - Sulfuric Acid Units 1 & 2																																
GRP021	CAP-Comb - Combustion (Unit 1, Unit 2, Rental Boiler)																																
RLP013	2 - Sulfuric Acid Unit No. 2						1	1	1																								
RLP014	3 - Sulfuric Acid Unit No. 1						1	1	1																								

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**Sulfuric Acid Plant - Baton Rouge Facility
Rhodia, Inc.**

**Agency Interest No.: 1314; PER20070006
Baton Rouge, East Baton Rouge Parish, Louisiana**

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60					40 CFR 61					40 CFR 63					40 CFR 65					40 CFR 66					40 CFR 67				
		A	Cd	Db	H	K	Ka	Kb	A	J	M	V	FF	A	DD	EEE	F	G*	GGG*	Q	XX*	A	C	G	64	68	82	BB			
PC5001	Sp1-Proc - Spent Acid Process																														
PC5002	TS-Proc - TS Process																														
EQT277	I3 - Acid Plant Caustic Scrubber																														
EQT278	UI-Snbr - Unit 1 Tail Gas Scrubber																														
EQT279	U2-Snbr - Unit 2 Tail Gas Scrubber																														
EQT280	U1-Furn - Unit 1 Furnace																														
EQT281	U2-RFurn - Unit 2 Regen Furnace																														
EQT282	U2-SFurn - Unit 2 Sulfur Furnace																														
EQT283	U1-Proc - Unit 1 Process																														
EQT284	U2-Proc - Unit 2 Process																														

*Although a minor source of Hazardous Air Pollutants, the facility is required to comply with the applicable requirements of 40 CFR 63 Subpart G, Subpart GGG, and Subpart XX for streams regulated under these subparts if/when required notice is received from the generator(s) of the regulated material.
#40 CFR 60 Subpart H requirements are being phased in at different times for RLP013 (January 1, 2011) & RLP014 (May 1, 2012).

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
 - 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
- 2 - Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Sulfuric Acid Plant - Baton Rouge Facility
Rhodia, Inc.

Agency Interest No.: 1314; PER20070006
Baton Rouge, East Baton Rouge Parish, Louisiana

XI. TABLE 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
UNF002 Facility Wide	40 CFR 63 Subpart DD – National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations 40 CFR 63.680(a)	DOES NOT APPLY – Facility is a minor source of emissions of HAPs.
EQT140, 146, 147, 151, 153, 186, and FUG002 (10, 20, 21, 27, 6-90, 1-06, and FUG-ACID)	Emission Standards for Sulfur Dioxide LAC 33:III.1503	EXEMPT - units emit less than 250 TPY of sulfur compounds measured as SO ₂ . LAC 33:III.1503.C
EQT150 26 – Spent Acid Barge Loading Scrubber	Control of Emissions of Organic Compounds – Marine Vapor Recovery LAC 33:III.2108	DOES NOT APPLY – Uncontrolled emissions are less than 100 tpy of VOCs. LAC 33:III.2108.A
LAC 33:III.2115	Control of Emissions of Organic Compounds – Waste Gas Disposal	EXEMPT – Waste gas stream has a combined weight of VOCs equal to or less than 100 pounds in any continuous 24 hour period. LAC 33:III.2115.H.1.c
EQT 151 27 – Acid Plant Vapor Combustor	Control of Emission of Organic Compounds LAC 33:III.2103.E.	EXEMPT – Compliance with 40 CFR Part 65 will constitute compliance with 2103.
EQT152 28 – Gasoline Storage Tank	NSPS Subpart Kb – Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110b	DOES NOT APPLY – Storage capacity is less than 73 m ³ 40 CFR 60.110b

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Sulfuric Acid Plant - Baton Rouge Facility

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Baton Rouge, East Baton Rouge Parish, Louisiana

XI. TABLE 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT154 and 155 M1a and M1b Cooling Towers	Emission Standards for Particulate Matter LAC 33:III.1311.C 40 CFR 63 Subpart Q – National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers 40 CFR 63.400	EXEMPT – LDEQ has granted an exemption from the opacity standards of LAC 33:III.1311.C as the particulate matter emissions are well below the process rate limitation. LAC 33:III.1311.E
	40 CFR 60 Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973 and Prior to May 19, 1978 40 CFR 60.110	DOES NOT APPLY – These tanks do not store petroleum liquids. 40 CFR 60 Subpart Ka – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978 and Prior to July 23, 1984 40 CFR 60.110(a)
EQT157 – 159, 162, 166, 170, 173 -175, 285 Tanks	40 CFR 60 Subpart Kb – Standards of Performance for Storage Volatile Organic Liquid Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 40 CFR 60.110(b)	DOES NOT APPLY – These tanks do not store VOLs.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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XI. TABLE 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT161, 163 – 165, 167 – 169, 171, 177, 178, and 180	40 CFR 60 Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973 and Prior to May 19, 1978 40 CFR 60.110	DOES NOT APPLY – These tanks do not store petroleum liquids.
EQT176	40 CFR 60 Subpart Ka – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978 and Prior to July 23, 1984 40 CFR 60.110 (a)	DOES NOT APPLY – These tanks do not store petroleum liquids.
20D120/30D340 – IFS Mix Tank	40 CFR 60 Subpart Kb – Standards of Performance for Storage Volatile Organic Liquid Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 40 CFR 60.110(b)	DOES NOT APPLY – This tank is greater than 75 m ³ and less than 151 m ³ storing a liquid with a maximum true vapor pressure less than 15.0 kPa. 40 CFR 60.110(b)
EQT280 Unit 1 Furnace	Control of Emission of Organic Compounds LAC 33:III.2103.E.	EXEMPT – Compliance with 40 CFR Part 65 will constitute compliance with 2103.
EQT008, 161, 163-165, 167-169, 171 Spent Acid Tanks	Control of Emission of Organic Compounds LAC 33:III.2103.E.	EXEMPT – Compliance with 40 CFR Part 65 will constitute compliance with 2103.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Sulfuric Acid Plant - Baton Rouge Facility

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XI. TABLE 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT179, 181 – 183 Tanks	40 CFR 60 Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973 and Prior to May 19, 1978 40 CFR 60.110	DOES NOT APPLY – These tanks do not store petroleum liquids.
	40 CFR 60 Subpart Ka – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978 and Prior to July 23, 1984 40 CFR 60.110 (a)	DOES NOT APPLY – These tanks do not store petroleum liquids.
	40 CFR 60 Subpart Kb – Standards of Performance for Storage Volatile Organic Liquid Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 40 CFR 60.110(b)	DOES NOT APPLY – These vessels have a capacity less than 75 m ³ . 40 CFR 60.110(b)(a)
FUG-Acid	Fugitive Emission Control for Ozone Nonattainment Areas LAC 33:III.2122 Emission Control and Reduction Requirements and Standards LAC 33:III.5109.A	DOES NOT APPLY – This facility does not meet the applicability criteria of LAC 33:III.2122.A.1. It is not a SOCMI facility per LAC 33:III.Chapter 21.Appendix A. DOES NOT APPLY – This source does not emit any class I or class II TAPs for which site-wide permitted emissions are over the MER LAC 33:III.5109.A

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Sulfuric Acid Plant - Baton Rouge Facility

Rhodia, Inc.

**Agency Interest No.: 1314; PER20070006
Baton Rouge, East Baton Rouge Parish, Louisiana**

XI. TABLE 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
FUG003 FUG-TS	Fugitive Emission Control for Ozone Nonattainment Areas LAC 33:III.2122	DOES NOT APPLY – This facility does not meet the applicability criteria of LAC 33:III.2122.A.1. It is not a SOCMI facility per LAC 33:III.Chapter 21.Appendix A.
RLP013 Sulfuric Acid Unit 1	40 CFR 63 Subpart EEE – National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors 40 CFR 63.1200	DOES NOT APPLY – Facility is not subject to this subpart because the Unit 1 and 2 furnaces are not hazardous waste combustors as defined in the subpart. The Unit 1 and 2 furnaces are BIF facilities, not incinerators.
RLP014 Sulfuric Acid Unit 2	40 CFR 63 Subpart G – National Emission Standards for Organic Hazardous Air Pollutants From the SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater 40 CFR 63.138(h)(2)(i)	EXEMPT – Per 40 CFR 63.138(h), this unit is exempt from the design evaluation or performance test requirements of 40 CFR 63.138(a)(3) and 40 CFR 63.138(j), and from the monitoring requirements of 40 CFR 63.132(a)(2)(iii), and from the associated recordkeeping and reporting requirements. 40 CFR 63.138(h)
	40 CFR 63 Subpart EEE – National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors 40 CFR 63.1200	DOES NOT APPLY – Facility is not subject to this subpart because the Unit 1 and 2 furnaces are not hazardous waste combustors as defined in the subpart. The Unit 1 and 2 furnaces are BIF facilities, not incinerators.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
APPENDIX A
PART 70 SPECIFIC CONDITIONS

Sulfuric Acid Plant – Baton Rouge Facility
Rhodia, Inc.
Agency Interest No.: 1314; PER20070006
Baton Rouge, East Baton Rouge Parish, Louisiana

Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the applicable fugitive emission monitoring programs being streamlined, as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emissions programs.

- a. Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program (LA MACT for Refineries) shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size of component available in any of the programs being streamlined.
- b. Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters. Some allowance may be made in the first year of the streamlined program in order to allow for transition from existing monitoring schedules.
- c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on September 30 and March 31, to cover the periods January 1 through June 30 and July 1 through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

Unit or Plant Site	Programs Being Streamlined	Stream Applicability	Overall Most Stringent Program
Sulfuric Acid Plant EIQ FUG-TS	LAC 33:III.Chapter 51, LA MACT Determination for non-HON 40 CFR 61 Subpart V, National Emission Standards for Equipment Leaks (Fugitive Emission Sources) 40 CFR 264 Subpart BB, RCRA Subpart BB	≥ 5% VOTAP ≥ 5% VOHAP ≥ 10% Organic	LA MACT Determination for non-HON

General Information

AI ID: 1314 Rhodia Inc
 Activity Number: PER20070006
 Permit Number: 0840-00033-V2
 Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
	0840-00033	Rhodia Inc	CDS Number	08-05-2002
LADD008161234		Rhodia Inc	Hazardous Waste Notification	11-17-1980
PMT/PC		GPRA Baselines	Hazardous Waste Permitting	10-01-1997
00861		Rhone Poulenc Basic Chemical Co	Inactive & Abandoned Sites	11-23-1999
LADD008161234		Slauffer Chemical Co Baton Rouge	Inactive & Abandoned Sites	11-23-1999
LA00005223		LPDES #	LPDES Permit #	05-22-2003
GL-349		Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
LA-338A-N01		Radiation General License	Radiation License Number	12-14-2000
G-033-3198		Radioactive Material License	Radiation License Number	12-14-2000
22318		Site ID #	Solid Waste Facility No.	11-21-1999
35329		Rhone Poulenc Basic Chemical Co Baton Rouge	TEMPO Merge	01-07-2002
38427		Slauffer Chemical	TEMPO Merge	11-19-2001
70821STFFRAIRL		Rhodia Inc	TEMPO Merge	01-11-2001
		TRI #	Toxic Release Inventory	07-19-2004
Physical Location:		1275 Airline Hwy	Main FAX:	2253593722
		Baton Rouge, LA 70805	Main Phone:	2253593481
Mailing Address:		1275 Airline Hwy		
		Baton Rouge, LA 70805		
Location of Front Gate:		30.509861 Latitude, -91.18465 longitude	Coordinate Method: Lat/Long - DMS	Coordinate Datum: NAD83
Related People:	Name	Mailing Address	Phone (Type)	Relationship
S. B. "Bala" Balachandran	PO Box 8228	Baton Rouge, LA 708210828	2253593443 (WF)	Accident Prevention Contact for
S. B. "Bala" Balachandran	PO Box 8228	Baton Rouge, LA 708210828	2253593742 (WP)	Accident Prevention Contact for
Tricia Castille	PO Box 8228	Baton Rouge, LA 70821	2253593410 (WP)	Radiation License Billing Party for
Tricia Castille	PO Box 8228	Baton Rouge, LA 70821	2253593410 (WP)	Water Billing Party for
Tricia Castille	PO Box 8228	Baton Rouge, LA 70821	2253593410 (WP)	Haz. Waste Billing Party for
Tricia Castille	PO Box 8228	Baton Rouge, LA 70821	2253593410 (WP)	Radiation Contact For
J. Marcus Lewis	PO Box 8228	Baton Rouge, LA 708210828	2253567111 (WP)	Responsible Official for
John Richardson	PO Box 8228	Baton Rouge, LA 70821	JOHN.RICHARDSON	TEDI Contact for
John Richardson	PO Box 8228	Baton Rouge, LA 70821	2253593768 (WP)	Accident Prevention Billing Party for
John Richardson	PO Box 8228	Baton Rouge, LA 70821	JOHN.RICHARDSON	Accident Prevention Billing Party for
John Richardson	PO Box 8228	Baton Rouge, LA 70821	2253593768 (WP)	Emission Inventory Contact for
John Richardson	PO Box 8228	Baton Rouge, LA 70821	JOHN.RICHARDSON	Emission Inventory Contact for
			2253593768 (WP)	

General Information**AID: 1314 Rhodia Inc****Activity Number: PER20070006****Permit Number: 0840-00033-V2****Air - Title V Regular Permit Renewal**

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	John Richardson	PO Box 828 Baton Rouge, LA 70821	2253593768 (WP)	Air Permit Contact For
	John Richardson	PO Box 828 Baton Rouge, LA 70821	JOHN.RICHARDSON	Air Permit Contact For

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Rhodia Inc	1275 Airline Hwy Baton Rouge, LA 70805		Operates
	Rhodia Inc	1275 Airline Hwy Baton Rouge, LA 70805		Emission Inventory Billing Party
	Rhodia Inc	1275 Airline Hwy Baton Rouge, LA 70805		Air Billing Party for
	Rhodia Inc	1275 Airline Hwy Baton Rouge, LA 70805		Owes

NAC Codes:	
	325188, All Other Basic Inorganic Chemical Manufacturing

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3258 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1314 - Rhodia Inc
 Activity Number: PER20070006
 Permit Number: 0840-00033-V2
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Spent Acid Process						
ARE 0002	M4 - West End Sump			55 gallons/mo	55 gallons/mo oil skimmed from sump	8760 hr/yr
EQT 0008	30D260 - Spent Sulfuric Acid Storage Tank	950000 gallons	800 gallons/min	28.4 MM gallons/yr		8760 hr/yr
EQT 0150	26 - Spent Acid Barge Loading Scrubber		1161 gallons/min	728000 tons/yr	Operating rates shown are spent acid receipts. Control device-vapor combustor (95% eff. VOC).	1664 hr/yr
EQT 0151	27 - Acid Plant Vapor Combustor					8760 hr/yr
EQT 0161	30D070 - Spent Acid Tank	125655 gallons				8760 hr/yr
EQT 0163	30D100 - Spent Acid Tank	227869 gallons				8760 hr/yr
EQT 0164	30D110 - Spent Acid Tank	227869 gallons				8760 hr/yr
EQT 0165	30D120 - Spent Acid Tank	227869 gallons				8760 hr/yr
EQT 0167	30D140 - 99% Oleum/Spent	331612 gallons			Insignificant when storing Product Sulfuric Acid	8760 hr/yr
EQT 0168	30D150 - 99% Oleum/Spent	285198 gallons			Insignificant when storing Product Sulfuric Acid	8760 hr/yr
EQT 0169	30D160 - Spent Acid Tank	285900 gallons				8760 hr/yr
EQT 0171	30D190 - Spent Acid Tank	285318 gallons				8760 hr/yr
EQT 0176	20D120/30D240 - IFS Mix Tank	25000 gallons				8760 hr/yr
EQT 0185	M7 - 001 Wastewater Treatment Unit			330000 Gallons/day		8760 hr/yr
EQT 0277	13 - Acid Plant Caustic Scrubber			400 gallons/min	The control device is a scrubber (98% eff. SO2). Works in series with EIQ 27.	2190 hr/yr
FUG 0002	FUG-ACID - Acid Plant Fugitive Emissions					8760 hr/yr

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Subject Item Inventory:

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TS Process						
ARE 0003	M3 - Treatment Services Sumps			2500 gallons/day		
EQT 0147	21 - TS Vapor Combustor		8 MM BTU/hr	3 MM BTU/hr	Previously Identified as Emergency Flare Stack	8760 hr/yr
EQT 0177	40D250 - Treatment Services Tank	157000 gallons				8760 hr/yr
EQT 0178	40D280 - Treatment Services Tank	47000 gallons				8760 hr/yr
EQT 0179	40D290 - Treatment Services Tank	12000 gallons				8760 hr/yr
EQT 0180	40D200 - Treatment Services Tank	47000 gallons				8760 hr/yr
EQT 0181	40D210 - Treatment Services Tank	120000 gallons				8760 hr/yr
EQT 0182	40D300 - Treatment Services Tank	80000 gallons				8760 hr/yr
EQT 0183	40D220 - Treatment Services Tank	80000 gallons				8760 hr/yr
EQT 0278	U1-Snbr - Unit 1 Tail Gas Scrubber		900 tons/day			8760 hr/yr
EQT 0279	U2-Snbr - Unit 2 Tail Gas Scrubber		1900 tons/day			8760 hr/yr
EQT 0280	U1-Furn - Unit 1 Furnace		900 tons/day			8760 hr/yr
EQT 0281	U2-RFurn - Unit 2 Regen Furnace		1200 tons/day			8760 hr/yr
EQT 0282	U2-SFurn - Unit 2 Sulfur Furnace		700 tons/day			8760 hr/yr
EQT 0283	U1-Proc - Unit 1 Process		900 tons/day			8760 hr/yr
EQT 0284	U2-Proc - Unit 2 Process		1900 tons/day			8760 hr/yr
FUG 0003	FUG-TS - Treatment Services Fugitive Emissions		2280 tons/day			8760 hr/yr
RLP 0013	2 - Sulfuric Acid Unit No. 2		2280 tons/day			8760 hr/yr
RLP 0014	3 - Sulfuric Acid Unit No. 1		1080 tons/day			8760 hr/yr

INVENTORIES

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Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Facility Wide						
EQT 0140	10 - Preheater, Acid Unit No. 1		6 MM BTU/hr	6 MM BTU/hr	This stack is equipped with a rain cap. A negligible velocity is used in modeling analyses.	8760 hr/yr
EQT 0141	11 - Lime Silos		22.5 tons/hr	135 Tons/lime/year	Out of service.	6 hr/yr
EQT 0142	12 - Oleum Loading Vent Scrubber		150 gallons/min	2.664 MM gallons/yr		672 hr/yr
EQT 0146	20 - Sulfur Feed Tank	84460 gallons	110 gallons/min	44.6 MM gallons/yr	This stack is equipped with a rain cap. A negligible velocity is used in modeling analyses.	8760 hr/yr
EQT 0149	24 - Oleum Barge Loading Scrubber		600 gallons/min	12.96 MM gallons/yr		400 hr/yr
EQT 0152	28 - Gasoline Storage Tank	1000 gallons	10000 gallons/yr			8760 hr/yr
EQT 0153	6.90 - Package Boiler		106 MM BTU/hr	50 MM BTU/hr		8760 hr/yr
EQT 0154	M1a - Unit 2 Cooling Tower			36000 gallons/min		8760 hr/yr
EQT 0155	M1b - Unit 1 Cooling Tower			16000 gallons/min	Rhodia plans to replace this tower with one of similar design and identical capacity.	8760 hr/yr
EQT 0157	300D030 - Oleum Tank	158605 gallons			Insignificant when storing Product Sulfuric Acid	8760 hr/yr
EQT 0158	300D040 - 93%Oleum	158605 gallons			Out of Service. Insignificant when storing Product Sulfuric Acid	8760 hr/yr
EQT 0159	300D050 - 99WWV Tank	158605 gallons				8760 hr/yr
EQT 0166	300D130 - Oleum Tank	331612 gallons				8760 hr/yr
EQT 0170	30D180 - 93E Tank	285247 gallons			Insignificant when storing Product Sulfuric Acid	8760 hr/yr
EQT 0173	30D210 - 93E Tank	408414 gallons			Insignificant when storing Product Sulfuric Acid	8760 hr/yr
EQT 0174	30D220 - 99WW Tank	406356 gallons			Insignificant when storing Product Sulfuric Acid	8760 hr/yr
EQT 0175	30D230 - 99C Tank	1.65 million gallons			Insignificant when storing Product Sulfuric Acid	8760 hr/yr
EQT 0184	20D103 - Sulfur Unloading Tank	150 gallons			Insignificant when storing Product Sulfuric Acid	8760 hr/yr
EQT 0186	1-08 - Rental Boiler		133 MM BTU/hr			8760 hr/yr
EQT 0285	20D380 - Unit 2 Weak Acid Tank	21000 gallons			Insignificant Activity per LAC	8760 hr/yr
Stack Information:						
ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)
Spent Acid Process						
ARE 0002	M4 - West End Sump					72
EQT 0150	26 - Spent Acid Barge Loading Scrubber	27.81	1000	.87	13	120

INVENTORIES

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Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Spent Acid Process							
EQT 0151 27 - Acid Plant Vapor Combustor		2	2400	5		35	1350
EQT 0185 M17 - Wastewater Treatment Unit						72	
FUG 0002 FUG-ACID - Acid Plant Fugitive Emissions						72	
TS Process							
ARE 0003 M3 - Treatment Services Sumps						72	
EQT 0147 21 - TS Vapor Combustor		4	6786	6		50	1000
FUG 0003 FUG-TS - Treatment Services Fugitive Emissions						72	
FLP 0013 2 - Sulfuric Acid Unit No. 2		113	107980	4.5		130	90
FLP 0014 3 - Sulfuric Acid Unit No. 1		119	50640	3		130	90
Facility Wide							
EQT 0140 10 - Preheater; Acit Unit No. 1		69	13006	2		38	1200
EQT 0141 11 - Lime Silos		6.7	250	.89		55	100
EQT 0142 12 - Oleum Loading Vent Scrubber		4.4	51.84	.5		15	100
EQT 0146 20 - Sulfur Feed Tank		2.7	183.22	1.2		30	284
EQT 0149 24 - Oleum Barge Loading Scrubber		19.7	100	.33		13	72
EQT 0152 28 - Gasoline Storage Tank						72	
EQT 0153 6-90 - Package Boiler		25	14000	3.5		60	850
EQT 0154 M1a - Unit 2 Cooling Tower						72	
EQT 0155 M1b - Unit 1 Cooling Tower						72	
EQT 0186 1-06 - Rental Boiler		15.4	22000	5.5		20	470

Relationships:

ID	Description	Relationship	ID	Description
EQT 0142	12 - Oleum Loading Vent Scrubber	Controls emissions from	EQT 0168	30D150 - 99/Oleum/Spent
EQT 0142	12 - Oleum Loading Vent Scrubber	Controls emissions from	EQT 0157	30D030 - Oleum Tank
EQT 0142	12 - Oleum Loading Vent Scrubber	Controls emissions from	EQT 0158	30D040 - 93/Oleum
EQT 0142	12 - Oleum Loading Vent Scrubber	Controls emissions from	EQT 0166	30D130 - Oleum Tank
EQT 0142	12 - Oleum Loading Vent Scrubber	Controls emissions from	EQT 0167	30D140 - 99/Oleum/Spent
EQT 0147	21 - TS Vapor Combustor	Controls emissions from	EQT 0182	40D300 - Treatment Services Tank
EQT 0147	21 - TS Vapor Combustor	Controls emissions from	EQT 0181	40D210 - Treatment Services Tank
EQT 0147	21 - TS Vapor Combustor	Controls emissions from	EQT 0180	40D200 - Treatment Services Tank
EQT 0147	21 - TS Vapor Combustor	Controls emissions from	EQT 0179	40D290 - Treatment Services Tank
EQT 0147	21 - TS Vapor Combustor	Controls emissions from	EQT 0178	40D280 - Treatment Services Tank

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Relationships:

ID	Description	Relationship	ID	Description
EQT 0147	21 - TS Vapor Combustor	Controls emissions from	EOT 0177	40D250 - Treatment Services Tank
EQT 0147	21 - TS Vapor Combustor	Controls emissions from	EQT 0183	40D220 - Treatment Services Tank
EQT 0151	27 - Acid Plant Vapor Combustor	Controls emissions from	EQT 0008	30D260 - Spent Sulfuric Acid Storage Tank
EQT 0151	27 - Acid Plant Vapor Combustor	Controls emissions from	EQT 0161	30D070 - Spent Acid Tank
EQT 0151	27 - Acid Plant Vapor Combustor	Controls emissions from	EQT 0163	30D100 - Spent Acid Tank
EQT 0151	27 - Acid Plant Vapor Combustor	Controls emissions from	EQT 0164	30D110 - Spent Acid Tank
EQT 0151	27 - Acid Plant Vapor Combustor	Controls emissions from	EQT 0165	30D120 - Spent Acid Tank
EQT 0151	27 - Acid Plant Vapor Combustor	Controls emissions from	EQT 0167	30D140 - 99/Oleum/Spent
EQT 0151	27 - Acid Plant Vapor Combustor	Controls emissions from	EQT 0168	30D150 - 99/Oleum/Spent
EQT 0151	27 - Acid Plant Vapor Combustor	Controls emissions from	EQT 0169	30D160 - Spent Acid Tank
EQT 0151	27 - Acid Plant Vapor Combustor	Controls emissions from	EQT 0171	30D190 - Spent Acid Tank
EQT 0151	27 - Acid Plant Vapor Combustor	Controls emissions from	EQT 0176	200D120/30D240 - IFS Mix Tank
EQT 0184	20D103 - Sulfur Unloading Tank	Vents to	EQT 0146	20 - Sulfur Feed Tank
EQT 0277	13 - Acid Plant Caustic Scrubber	Controls emissions from	EQT 0164	30D110 - Spent Acid Tank
EQT 0277	13 - Acid Plant Caustic Scrubber	Controls emissions from	EQT 0163	30D100 - Spent Acid Tank
EQT 0277	13 - Acid Plant Caustic Scrubber	Controls emissions from	EQT 0161	30D070 - Spent Acid Tank
EQT 0277	13 - Acid Plant Caustic Scrubber	Vents to	EQT 0151	27 - Acid Plant Vapor Combustor
EQT 0277	13 - Acid Plant Caustic Scrubber	Controls emissions from	EQT 0008	30D260 - Spent Sulfuric Acid Storage Tank
EQT 0277	13 - Acid Plant Caustic Scrubber	Controls emissions from	EQT 0165	30D120 - Spent Acid Tank
EQT 0277	13 - Acid Plant Caustic Scrubber	Controls emissions from	EQT 0176	200D120/30D240 - IFS Mix Tank
EQT 0277	13 - Acid Plant Caustic Scrubber	Controls emissions from	EQT 0171	30D190 - Spent Acid Tank
EQT 0277	13 - Acid Plant Caustic Scrubber	Controls emissions from	EQT 0169	30D160 - Spent Acid Tank
EQT 0277	13 - Acid Plant Caustic Scrubber	Controls emissions from	EQT 0168	30D150 - 99/Oleum/Spent
EQT 0277	13 - Acid Plant Caustic Scrubber	Controls emissions from	EQT 0167	30D140 - 99/Oleum/Spent
EQT 0278	U1-Scbr - Unit 1 Tail Gas Scrubber	Vents to	RLP 0014	3 - Sulfuric Acid Unit No. 1
EQT 0278	U1-Scbr - Unit 1 Tail Gas Scrubber	Controls emissions from	EOT 0283	U1-Proc - Unit 1 Process
EQT 0278	U1-Scbr - Unit 1 Tail Gas Scrubber	Controls emissions from	EOT 0284	U2-Proc - Unit 2 Process
EQT 0279	U2-Scbr - Unit 2 Tail Gas Scrubber	Vents to	RLP 0013	2 - Sulfuric Acid Unit No. 2
EQT 0279	U2-Scbr - Unit 2 Tail Gas Scrubber	Controls emissions from	EOT 0165	30D120 - Spent Acid Tank
EQT 0280	U1-Furn - Unit 1 Furnace	Controls emissions from	EOT 0167	30D140 - 99/Oleum/Spent
EQT 0280	U1-Furn - Unit 1 Furnace	Controls emissions from	EOT 0168	30D150 - 99/Oleum/Spent
EQT 0280	U1-Furn - Unit 1 Furnace	Controls emissions from	EOT 0164	30D110 - Spent Acid Tank
EQT 0280	U1-Furn - Unit 1 Furnace	Controls emissions from	EOT 0163	30D100 - Spent Acid Tank
EQT 0280	U1-Furn - Unit 1 Furnace	Controls emissions from	EOT 0161	30D070 - Spent Acid Tank
EQT 0280	U1-Furn - Unit 1 Furnace	Controls emissions from	EOT 0008	30D260 - Spent Sulfuric Acid Storage Tank
EQT 0280	U1-Furn - Unit 1 Furnace	Controls emissions from	EOT 0169	30D160 - Spent Acid Tank

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Relationships:

ID	Description	Relationship	ID	Description
EQT 0280	U1-Furn - Unit 1 Furnace	Controls emissions from	EQT 0176	20D120/30D240 - IFS Mix Tank
EQT 0280	U1-Furn - Unit 1 Furnace	Controls emissions from	EQT 0171	30D190 - Spent Acid Tank
EQT 0281	U2-RFurn - Unit 2 Regen Furnace	Controls emissions from	EQT 0182	40D300 - Treatment Services Tank
EQT 0281	U2-RFurn - Unit 2 Regen Furnace	Controls emissions from	EQT 0178	40D280 - Treatment Services Tank
EQT 0281	U2-RFurn - Unit 2 Regen Furnace	Controls emissions from	EQT 0179	40D290 - Treatment Services Tank
EQT 0281	U2-RFurn - Unit 2 Regen Furnace	Controls emissions from	EQT 0180	40D200 - Treatment Services Tank
EQT 0281	U2-RFurn - Unit 2 Regen Furnace	Controls emissions from	EQT 0177	40D250 - Treatment Services Tank
EQT 0281	U2-RFurn - Unit 2 Regen Furnace	Controls emissions from	EQT 0183	40D220 - Treatment Services Tank
EQT 0281	U2-RFurn - Unit 2 Regen Furnace	Controls emissions from	EQT 0181	40D210 - Treatment Services Tank
EQT 0283	U1-Proc - Unit 1 Process	Controls emissions from	EQT 0280	U1-Furn - Unit 1 Furnace
EQT 0284	U2-Proc - Unit 2 Process	Controls emissions from	EQT 0282	U2-SFurn - Unit 2 Sulfur Furnace
EQT 0284	U2-Proc - Unit 2 Process	Controls emissions from	EQT 0281	U2-RFurn - Unit 2 Regen Furnace

Subject Item Groups:

ID	Group Type	Group Description
CRG 0001	Common Requirements Group	CRG001 - 40D250, 40D280, and 40D200
CRG 0002	Common Requirements Group	CRG002 - 40D290, 40D210, 40D300, and 40D220
CRG 0003	Common Requirements Group	CRG003 - Spent Acid Tanks
CRG 0004	Common Requirements Group	CRG004 - 99% Oleum/Spent Swing Tanks
GRP 0002	Equipment Group	CAP-SAU - SULFURIC ACID UNITS 1 & 2
GRP 0021	Equipment Group	CAP-Comb - CAP - Combustion (Unit 1, Unit 2, Rental Boiler)
PCS 0001	Process Group	Spi-Proc - Spent Acid Process
PCS 0002	Process Group	TS-Proc - TS Process
UNF 0002	Unit or Facility Wide	UNF002 - Facility Wide

Group Membership:

ID	Description	Member of Groups
ARE 0002	M4 - West End Sump	PC\$000000000001
ARE 0003	M3 - Treatment Services Sumps	PC\$000000000002
CRG 0001	CRG001 - 40D250, 40D280, and 40D200	PC\$000000000002
CRG 0002	CRG002 - 40D290, 40D210, 40D300, and 40D220	PC\$000000000002
CRG 0003	CRG003 - Spent Acid Tanks	PC\$000000000001
CRG 0004	CRG004 - 99% Oleum/Spent Swing Tanks	PC\$000000000001
EQT 0008	30D280 - Spent Sulfuric Acid Storage Tank	CRG000000000003, PC\$000000000001
EQT 0147	21 - TS Vapor Combustor	PC\$000000000002
EQT 0150	26 - Spent Acid Barge Loading Scrubber	PC\$000000000001
EQT 0151	27 - Acid Plant Vapor Combustor	PC\$000000000001

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Group Membership:

ID	Description	Member of Groups
EQT 0161	30D070 - Spent Acid Tank	CRG0000000003, PCS00000000001
EQT 0163	30D100 - Spent Acid Tank	CRG0000000003, PCS00000000001
EQT 0164	30D110 - Spent Acid Tank	CRG0000000003, PCS00000000001
EQT 0165	30D120 - Spent Acid Tank	CRG0000000003, PCS00000000001
EQT 0167	30D140 - 99/Oleum/Spent	CRG0000000004, PCS00000000001
EQT 0168	30D150 - 99/Oleum/Spent	CRG0000000004, PCS00000000001
EQT 0169	30D160 - Spent Acid Tank	CRG0000000003, PCS00000000001
EQT 0171	30D190 - Spent Acid Tank	CRG0000000003, PCS00000000001
EQT 0176	20D120/30D240 - IFS Mix Tank	PCS0000000001
EQT 0177	40D250 - Treatment Services Tank	CRG0000000001, PCS00000000002
EQT 0178	40D280 - Treatment Services Tank	CRG0000000001, PCS00000000002
EQT 0179	40D290 - Treatment Services Tank	CRG0000000002, PCS00000000002
EQT 0180	40D200 - Treatment Services Tank	CRG0000000001, PCS00000000002
EQT 0181	40D210 - Treatment Services Tank	CRG0000000002, PCS00000000002
EQT 0182	40D300 - Treatment Services Tank	CRG0000000002, PCS00000000002
EQT 0183	40D220 - Treatment Services Tank	CRG0000000002, PCS00000000002
EQT 0185	M7 - 001 Wastewater Treatment Unit	PCS0000000001
EQT 0186	1-06 - Rental Boiler	GRF00000000021
EQT 0277	13 - Acid Plant Caustic Scrubber	PCS0000000001
EQT 0278	U1-Scrbr - Unit 1 Tall Gas Scrubber	PCS0000000002
EQT 0279	U2-Scrbr - Unit 2 Tall Gas Scrubber	PCS0000000002
EQT 0280	U1-Furn - Unit 1 Furnace	PCS0000000002
EQT 0281	U2-RFurn - Unit 2 Regen Furnace	PCS0000000002
EQT 0282	U2-SFurn - Unit 2 Sulfur Furnace	PCS0000000002
EQT 0283	U1-Proc - Unit 1 Process	PCS0000000002
EQT 0284	U2-Proc - Unit 2 Process	PCS0000000002
FUG 0002	FUG-ACID - Acid Plant Fugitive Emissions	PCS0000000001
FUG 0003	FUG-TS - Treatment Services Fugitive Emissions	PCS0000000002
RLP 0013	2 - Sulfuric Acid Unit No. 2	GRP0000000021, GRP0000000002
RLP 0014	3 - Sulfuric Acid Unit No. 1	GRP0000000022, GRP0000000021, PCS0000000002

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multipier	Units Of Measure
0540	0540 Sulphuric Acid Manufacture (Rated Capacity)	2800	tons/day

SIC Codes:	
2819	Industrial inorganic chemicals, nec
2819	Industrial inorganic chemicals, nec

EMISSION RATES FOR CRITERIA POLLUTANTS

AID: 1314 - Rhodia Inc
Activity Number: PER20070006
Permit Number: 0840-00033-V2
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All phases

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Spent Acid Process															
ARE 0002 M4															
EQT 0150 28										0.002	0.03	<0.01	1.12	51.40	0.93
EQT 0151 27	0.77	3.90	3.37	0.24	1.10	1.05	0.01	0.03	0.01	0.04	0.04	0.85	31.58	3.71	1.91
EQT 0185 M7															
FUG 0002 FUG-ACID										0.31		1.38	0.15		0.65
TS Process															
ARE 0003 M3															
EQT 0147 21	0.01	0.01	0.02	0.59	0.64	2.58	0.02	0.06	0.10	0.02	0.04	0.07	0.21	0.28	0.92
FUG 0003 FUG-TS															
RLP 0013 2		74.61			134.56			23.75							1.84
RLP 0014 3		44.26			63.27			11.25							0.52
Facility Wide															
EQT 0140 10	0.47	0.47	2.06	0.56	0.56	2.45	0.04	0.19	0.03	0.03	0.14	0.03	0.03	0.03	0.13
EQT 0141 11								2.48	0.01						
EQT 0146 20										0.003		0.01			
EQT 0152 28												0.01			0.05
EQT 0153 5.90	8.85	18.76	38.76	4.00	10.00	17.52	0.60	1.27	2.63	0.27	0.58	1.20	1.40	2.97	6.13
EQT 0154 M1a										0.07	0.32				
EQT 0155 M1b										0.03	0.14				
EQT 0186 1-06		3.59					5.05			0.99		0.08		0.72	
GRP 0021 CAP-Comb	11.69	51.22	21.00		91.98	11.67				51.10			1.96		8.58

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1314 - Rhodia Inc

Activity Number: PER20070006

Permit Number: 0840-00033-V2

Air - Title V Regular Permit Renewal

Phase I

SO2			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year
TS Process			
RLP 0013 2		1937.5	
RLP 0014 3		904.17	
Facility Wide			
GRP 0021 <i>CAP-Cone</i>	2811.67	12446.50	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.**Emission rates Notes:**

GRP 0021	SO2	Avg lb/hr	Phase I is effective from issuance of this permit through December 31, 2010. Which Months: All Year
GRP 0021	SO2	Tons/Year	Phase I is effective from issuance of this permit through December 31, 2010. Which Months: All Year
RLP 0013	SO2	Max lb/hr	Max lbs/hr effective from permit issuance until December 31, 2010. A 3-hour average becomes effective on January 1, 2011. Which Months: All Year
RLP 0014	SO2	Max lb/hr	Max lbs/hr effective from permit issuance until April 30, 2012. A 3-hour average becomes effective on May 1, 2012. Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

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Phase II

SO2			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year
TS Process			
RLP 0014			
3	904.17		
Facility Wide			
GRP 0021			
CAP-Comb	1078.34	4723.13	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

Emission rates Notes:

GRP 0021 SO2 Avg lb/hr Phase II is effective from January 1, 2011 through April 30, 2012. Which Months: All Year
 GRP 0021 SO2 Tons/Year Phase II is effective from January 1, 2011 through April 30, 2012. Which Months: All Year
 RLP 0014 SO2 Max lb/hr Max lbs/hr effective from permit issuance until April 30, 2012. A 3-hour average becomes effective on May 1, 2012. Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1314 - Rhodia Inc
 Activity Number: PER20070006
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 Air - Title V Regular Permit Renewal

Phase III

SO2		
Subject Item	Avg lb/hr	Tons/Year
Facility Wide		
GRP 0021	245.42	107.94
CAP-Comb		

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

Emission rates Notes:

GRP 0021	SO2	Avg lb/hr	Phase III becomes effective on May 1, 2012.	Which Months: All Year
GRP 0021	SO2	Tons/Year	Phase III becomes effective on May 1, 2012.	Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1314 - Rhodia Inc

Activity Number: PER20070006

Permit Number: 0840-00033-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EOT 0142 12	Sulfuric acid	0.01	0.09	<0.01
EOT 0146 20	Carbon disulfide	0.004		0.02
	Hydrogen sulfide	0.10		0.44
EOT 0147 21	Chlorine	0.02	0.10	0.09
	Hydrochloric acid	0.08	0.42	0.36
EOT 0149 24	Sulfuric acid	0.004	0.01	<0.01
EOT 0151 27	Chlorine	0.02	0.54	0.09
	Hydrochloric acid	0.09	2.20	0.39
EQT 0152 28	2,2,4-Trimethylpentane	<0.001		<0.01
	Benzene	<0.001		<0.01
	Ethyl benzene	<0.001		<0.01
	Toluene	<0.001		<0.01
	Xylene (mixed isomers)	<0.001		<0.01
	n-Hexane	<0.001		<0.01
FUG 0002 FUG-ACID	Sulfuric acid	0.10		0.46
GRP 0002 CAP-SAU	Antimony (and compounds)	0.007		0.032
	Arsenic (and compounds)	0.005		0.022
	Barium (and compounds)	0.041		0.181
	Beryllium (Table 51.1)	0.003		0.012
	Cadmium (and compounds)	0.003		0.012
	Chlorine	0.02		0.09
	Chromium VI (and compounds)	0.007		0.030
	Cobalt compounds	0.01		0.03
	Copper (and compounds)	0.025		0.111
	Hydrochloric acid	1.09		4.79
	Lead compounds	0.02		0.08
	Manganese (and compounds)	0.02		0.08
	Mercury (and compounds)	0.003		0.012
	Nickel (and compounds)	0.009		0.038
	Selenium (and compounds)	0.013		0.056
	Sulfuric acid	9.57		41.90
	Zinc (and compounds)	0.05		0.22
PCS 0001 Spl-Proc	1,1,1-Trichloroethane	0.11		0.50

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1314 - Rhodia Inc
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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
PCS 0001 Sol-Proc	1,1,2,2-Tetrachloroethane	0.005		0.02
	1,1,2-Trichloroethane	0.05		0.20
	1,1-Dichloroethane	0.11		0.50
	1,1-Dimethylhydrazine	0.11		0.50
	1,2,4-Trichlorobenzene	0.11		0.50
	1,2-Dibromo-3-chloropropane	0.11		0.50
	1,2-Dibromoethane	<0.001		0.001
	1,2-Dichloroethane	0.001		0.002
	1,2-Dichloropropane	0.11		0.50
	1,2-Diphenylhydrazine	0.11		0.50
	1,2-Epoxybutane	0.11		0.50
	1,2-Epoxyethylbenzene	0.11		0.50
	1,2-Oxathiolane 2,2-dioxide	0.11		0.50
	1,3-Butadiene	<0.001		0.001
	1,3-Dichloropropene	0.005		0.02
	1,4-Dichlorobenzene	0.11		0.50
	1,4-Dioxane	0.01		0.05
	2,2'-dichlorodiethylether	0.03		0.11
	2,2,4-Trimethylpentane	0.11		0.50
	2,4,5-Trichlorophenol	0.11		0.50
	2,4,6-Trichlorophenol	0.11		0.50
	2,4-Dichlorophenoxyacetic Acid	0.11		0.50
	2,4-Dinitrophenol	0.11		0.50
	2,4-Dinitrotoluene	0.002		0.01
	2,4-Toluene diamine	0.11		0.50
	2,6-Dinitrotoluene	0.002		0.01
	2-Acetylaminofluorene	0.11		0.50
	2-nitro-Propane	0.03		0.14
	3,3'-Dichlorobenzidine	0.11		0.50
	4,4'-Methylenebis-(2-Chloroaniline)	0.11		0.50
	4,4'-Methylenebisbenzeneamine	0.11		0.50
	4,6 Dinitro-o-cresol	0.11		0.50
	4-Aminodiphenyl	0.11		0.50

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
PCS 0001 Sol-Proc	4-Dimethylaminoazobenzene	0.11		0.50
	4-Nitrobiphenyl	0.11		0.50
	4-Nitrophenol	0.11		0.50
	Acetaldehyde	0.01		0.04
	Acetamide	0.11		0.50
	Acetonitrile	0.06		0.25
	Acetophenone	0.11		0.50
	Acrolein	<0.001		0.001
	Acrylamide	<0.001		0.001
	Acrylic acid	0.005		0.02
	Acrylonitrile	<0.001		0.002
	Allyl chloride	<0.001		0.001
	Amiben	0.11		0.50
	Ammonia	0.01		0.06
	Aniline	0.01		0.03
	Benzene	0.002		0.01
	Benzidine	0.11		0.50
	Benzotrichloride	0.11		0.50
	Benzyl chloride	0.11		0.50
	Biphenyl	0.002		0.01
	Bromoform	0.11		0.50
	Butene (mixed isomers)	0.11		0.50
	Calcium cyanamide	0.11		0.50
	Captan	0.11		0.50
	Carbaryl	0.11		0.50
	Carbon disulfide	0.03		0.12
	Carbon tetrachloride	0.002		0.01
	Carbonyl sulfide	0.01		0.05
	Chlordane	0.11		0.50
	Chlorine dioxide	<0.001		0.001
	Chloroacetic acid	0.11		0.50
	Chlorobenzene	<0.001		0.001
	Chloroethane	0.11		0.50

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1314 - Rhodia Inc

Activity Number: PER20070006

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Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
PCS 0001 Spl-Proc	Chloroform	0.002		0.01
	Chloromethyl methyl ether	0.11		0.50
	Chloroprene	0.03		0.14
	Cresol	0.02		0.08
	Cumene	0.11		0.50
	Cyanide compounds	0.11		0.50
	Diaminotoluene (mixed isomers)	0.002		0.01
	Diazomethane	0.11		0.50
	Diethyl phthalate	0.005		0.02
	Dichloromethane	0.01		0.03
	Dichlorvos	0.11		0.50
	Diethanolamine	0.11		0.50
	Diethyl Sulfate	0.11		0.50
	Dimethyl formamide	0.11		0.50
	Dimethyl phthalate	0.11		0.50
	Dimethyl sulfate	0.11		0.50
	Dimethylcarbamoyl chloride	0.11		0.50
	Epichlorohydrin	0.04		0.17
	Ethyl 4,4'-Dichlorobenzilate	0.11		0.50
	Ethyl Acrylate	0.02		0.08
	Ethyl benzene	0.11		0.50
	Ethylene	0.11		0.50
	Ethylene glycol	0.10		0.45
	Ethylene oxide	<0.001		0.002
	Ethylenimine	0.11		0.50
	Ethylenethiourea	0.11		0.50
	Formaldehyde	0.002		0.01
	Glycol ethers (Table 51.1)	0.01		0.06
	Glycol ethers (Table 51.3)	0.11		0.50
	Heptachlor	0.11		0.50
	Hexachlorobenzene	0.01		0.04
	Hexachlorobutadiene	<0.001		0.001
	Hexachlorocyclopentadiene	0.11		0.50

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1314 - Rhodia Inc
 Activity Number: PER20070006
 Permit Number: 0840-00033-V2
 Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
PCS 0001 Spt-Proc	Hexachloroethane	0.01		0.04
	Hexamethylene diisocyanate	0.11		0.50
	Hexamethylphosphoramide	0.11		0.50
	Hydrazine	<0.001		0.001
	Hydrofluoric acid	0.002		0.01
	Hydrogen cyanide	0.01		0.04
	Hydrogen sulfide	0.002		0.01
	Hydroquinone	0.11		0.50
	Iodomethane	0.11		0.50
	Isophorone	0.11		0.50
	Lindane	0.11		0.50
	Maleic anhydride	0.002		0.01
	Methanol	0.11		0.50
	Methoxychlor	0.11		0.50
	Methyl Isocyanate	0.11		0.50
	Methyl Tertiary Butyl Ether	0.11		0.50
	Methyl bromide	0.11		0.50
	Methyl chloride	0.09		0.39
	Methyl ethyl ketone	0.11		0.50
	Methyl isobutyl ketone	0.002		0.01
	Methyl methacrylate	0.11		0.50
	Methylene diphenyl diisocyanate	0.11		0.50
	Monomethyl hydrazine	0.11		0.50
	N,N-Diethyl aniline	0.11		0.50
	N,N-dimethylbenzamine	0.11		0.50
	N-Nitroso-N-Methylurea	0.11		0.50
	N-Nitrosodimethylamine	0.11		0.50
	N-Nitrosomorpholine	0.11		0.50
	Naphthalene (and Methyl naphthalenes)	0.02		0.10
	Nitric acid	0.005		0.02
	Nitrobenzene	0.005		0.02
	Parathion	0.11		0.50
	Pentachloronitrobenzene	0.11		0.50

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
PCS 0001 Spt-Proc	Phenol	0.005		0.02
	Phosgene	<0.001		0.002
	Phosphine	0.11		0.50
	Phosphorus	0.11		0.50
	Phthalic Anhydride	0.005		0.02
	Polychlorinated biphenyls	0.11		0.50
	Polynuclear Aromatic Hydrocarbons	<0.001		0.001
	Propionaldehyde	0.01		0.04
	Propoxur	0.11		0.50
	Propylene	0.11		0.50
	Propylene oxide	0.01		0.04
	Propylenimine	0.11		0.50
	Pyridine	0.01		0.06
	Pyrocatechol	0.11		0.50
	Quinoline	0.11		0.50
	Quinone	0.11		0.50
	Styrene	0.02		0.10
	Tetrachloroethylene	0.03		0.14
	Titanium tetrachloride	0.11		0.50
	Toluene	0.11		0.50
	Toluene-2,4-diisocyanate	<0.001		0.001
	Toluene-2,6-Diisocyanate	<0.001		0.001
	Toxaphene	0.11		0.50
	Toxic air pollutants (TAP)	0.21		0.59
	Trichloroethylene	0.01		0.05
	Triethyl amine	0.11		0.50
	Trifluralin	0.11		0.50
	Urethane	0.11		0.50
	Vinyl acetate	0.03		0.13
	Vinyl bromide	0.11		0.50
	Vinyl chloride	0.002		0.01
	Vinylidene chloride	0.02		0.08
	Xylene (mixed isomers)	0.11		0.50

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
PCS 0001 Spt-Proc	alpha-Chloroacetophenone	0.11		0.50
	beta-Propriolactone	0.11		0.50
	bis(2-ethylhexyl)phthalate	0.11		0.50
	bis(Chloromethyl)ether	0.11		0.50
	n-Hexane	0.11		0.50
	n-butyl alcohol	0.11		0.50
	o-Aminoanisole	0.11		0.50
	o-dianisidine	0.11		0.50
	ortho-Tolidine	0.11		0.50
	ortho-Toluidine	0.11		0.50
	p,p'-DDE	0.11		0.50
	para-Phenylenediamine	0.11		0.50
	pentachloro-Phenol	0.11		0.50
PCS 0002 TS-Proc	1,1,1-Trichloroethane	0.11		0.50
	1,1,2,2-Tetrachloroethane	0.03		0.12
	1,1,2-Trichloroethane	0.11		0.50
	1,1-Dichloroethane	0.11		0.50
	1,1-Dimethylhydrazine	0.11		0.50
	1,2,4-Trichlorobenzene	0.11		0.50
	1,2-Dibromo-3-chloropropane	0.11		0.50
	1,2-Dibromoethane	0.003		0.011
	1,2-Dichloroethane	0.005		0.021
	1,2-Dichloropropane	0.11		0.50
	1,2-Diphenylhydrazine	0.11		0.50
	1,2-Epoxybutane	0.11		0.50
	1,2-Epoxyethylbenzene	0.11		0.50
	1,2-Oxathiolane 2,2-dioxide	0.11		0.50
	1,3-Butadiene	0.003		0.011
	1,3-Dichloropropene	0.03		0.14
	1,4-Dichlorobenzene	0.11		0.50
	1,4-Dioxane	0.10		0.44
	2,2'-dichlorodiethylether	0.11		0.50
	2,2,4-Trimethylpentane	0.11		0.50

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
PCS 0002 TS-Proc	2,4,5-Trichlorophenol	0.11		0.50
	2,4,6-Trichlorophenol	0.11		0.50
	2,4-Dichlorophenoxyacetic Acid	0.11		0.50
	2,4-Dinitrophenol	0.11		0.50
	2,4-Dinitrotoluene	0.01		0.03
	2,4-Toluene diamine	0.11		0.50
	2,6-Dinitrotoluene	0.01		0.03
	2-Acetylaminofluorene	0.11		0.50
	2-nitro-Propane	0.11		0.50
	3,3'-Dichlorobenzidine	0.11		0.50
	4,4'-Methylenebis-(2-Chloroaniline)	0.11		0.50
	4,4'-Methylenebisbenzeneamine	0.11		0.50
	4,6 Dinitro-o-cresol	0.11		0.50
	4-Aminodiphenyl	0.11		0.50
	4-Dimethylaminoazobenzene	0.11		0.50
	4-Nitrobiphenyl	0.11		0.50
	4-Nitrophenol	0.11		0.50
	Acetaldehyde	0.07		0.30
	Acetamide	0.11		0.50
	Acetonitrile	0.11		0.50
	Acetophenone	0.11		0.50
	Acrolein	0.003		0.011
	Acrylamide	0.003		0.011
	Acrylic acid	0.04		0.17
	Acrylonitrile	0.003		0.015
	Allyl chloride	0.003		0.011
	Amiben	0.11		0.50
	Ammonia	0.11		0.50
	Aniline	0.06		0.26
	Benzene	0.02		0.10
	Benzidine	0.11		0.50
	Benzotrichloride	0.11		0.50
	Benzyl chloride	0.11		0.50

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
PCS 0002 TS-Proc	Biphenyl	0.01		0.03
	Bromoform	0.11		0.50
	Butene (mixed isomers)	0.11		0.50
	Calcium cyanamide	0.11		0.50
	Captan	0.11		0.50
	Carbaryl	0.11		0.50
	Carbon disulfide	0.11		0.50
	Carbon tetrachloride	0.01		0.03
	Carbonyl sulfide	0.10		0.43
	Chlordane	0.11		0.50
	Chlorinated Dibenzo-P-Dioxins	0.00000001		0.00000005
	Chlorinated dibenzofurans	0.00000001		0.00000005
	Chlorine dioxide	0.003		0.011
	Chloroacetic acid	0.11		0.50
	Chlorobenzene	0.003		0.011
	Chloroethane	0.11		0.50
	Chloroform	0.005		0.02
	Chloromethyl methyl ether	0.11		0.50
	Chloroprene	0.11		0.50
	Cresol	0.11		0.50
	Cumene	0.11		0.50
	Cyanide compounds	0.11		0.50
	Diaminotoluene (mixed isomers)	0.03		0.11
	Diazomethane	0.11		0.50
	Dibutyl phthalate	0.04		0.16
	Dichloromethane	0.05		0.23
	Dichlorvos	0.11		0.50
	Diethanolamine	0.11		0.50
	Diethyl Sulfate	0.11		0.50
	Dimethyl formamide	0.11		0.50
	Dimethyl phthalate	0.11		0.50
	Dimethyl sulfate	0.11		0.50
	Dimethylcarbamoyl chloride	0.11		0.50

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
PCS 0002 TS-Proc	Epichlorohydrin	0.11		0.50
	Ethyl 4,4'-Dichlorobenzilate	0.11		0.50
	Ethyl Acrylate	0.11		0.50
	Ethyl benzene	0.11		0.50
	Ethylene	0.11		0.50
	Ethylene glycol	0.11		0.50
	Ethylene oxide	0.003		0.015
	Ethyleneimine	0.11		0.50
	Ethylenethiourea	0.11		0.50
	Formaldehyde	0.03		0.11
	Glycol ethers (Table 51.1)	0.11		0.50
	Glycol ethers (Table 51.3)	0.11		0.50
	Heptachlor	0.11		0.50
	Hexachlorobenzene	0.08		0.37
	Hexachlorobutadiene	0.003		0.011
	Hexachlorocyclopentadiene	0.11		0.50
	Hexachloroethane	0.07		0.30
	Hexamethylene diisocyanate	0.11		0.50
	Hexamethylphosphoramide	0.11		0.50
	Hydrazine	0.003		0.011
	Hydrofluoric acid	0.005		0.02
	Hydrogen cyanide	0.08		0.34
	Hydrogen sulfide	0.01		0.04
	Hydroquinone	0.11		0.50
	Iodomethane	0.11		0.50
	Isophorone	0.11		0.50
	Lindane	0.11		0.50
	Maleic anhydride	0.005		0.02
	Methanol	0.11		0.50
	Methoxychlor	0.11		0.50
	Methyl Isocyanate	0.11		0.50
	Methyl Tertiary Butyl Ether	0.11		0.50
	Methyl bromide	0.11		0.50

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
PCS 0002 TS-Proc	Methyl chloride	0.11		0.50
	Methyl ethyl ketone	0.11		0.50
	Methyl isobutyl ketone	0.002		0.01
	Methyl methacrylate	0.11		0.50
	Methylene diphenyl diisocyanate	0.11		0.50
	Monomethyl hydrazine	0.11		0.50
	N,N-Diethyl aniline	0.11		0.50
	N,N-dimethylbenzeneamine	0.11		0.50
	N-Nitroso-N-Methylurea	0.11		0.50
	N-Nitrosodimethylamine	0.11		0.50
	N-Nitrosomorpholine	0.11		0.50
	Naphthalene (and Methyl naphthalenes)	0.11		0.50
	Nitric acid	0.03		0.12
	Nitrobenzene	0.04		0.17
	Parathion	0.11		0.50
	Pentachloronitrobenzene	0.11		0.50
	Phenol	0.04		0.16
	Phosgene	0.003		0.012
	Phosphine	0.11		0.50
	Phosphorus	0.11		0.50
	Phthalic Anhydride	0.04		0.17
	Polychlorinated biphenyls	0.11		0.50
	Polynuclear Aromatic Hydrocarbons	0.003		0.011
	Propionaldehyde	0.07		0.30
	Propoxur	0.11		0.50
	Propylene	0.11		0.50
	Propylene oxide	0.07		0.30
	Propylenimine	0.11		0.50
	Pyridine	0.11		0.50
	Pyrocatechol	0.11		0.50
	Quinaline	0.11		0.50
	Quinone	0.11		0.50
	Styrene	0.11		0.50

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
PCS 0002 TS-Proc	Tetrachloroethylene	0.11		0.50
	Titanium tetrachloride	0.11		0.50
	Toluene	0.11		0.50
	Toluene-2,4-diisocyanate	0.003		0.011
	Toluene-2,6-Diisocyanate	0.003		0.011
	Toxaphene	0.11		0.50
	Toxic air pollutants (TAP)	0.46		2.03
	Trichloroethylene	0.09		0.38
	Triethyl amine	0.11		0.50
	Trifluralin	0.11		0.50
	Urethane	0.11		0.50
	Vinyl acetate	0.11		0.50
	Vinyl bromide	0.11		0.50
	Vinyl chloride	0.02		0.10
	Vinyldene chloride	0.11		0.50
	Xylene (mixed isomers)	0.11		0.50
	alpha-Chloroacetophenone	0.11		0.50
	beta-Propriolactone	0.11		0.50
	bis(2-ethylhexyl)phthalate	0.11		0.50
	bis(Chloromethyl)ether	0.11		0.50
	n-Hexane	0.11		0.50
	n-butyl alcohol	0.11		0.50
	o-Aminoanisole	0.11		0.50
	o-dianisidine	0.11		0.50
	ortho-Tolidine	0.11		0.50
	ortho-Toluidine	0.11		0.50
	p,p'-DDE	0.11		0.50
	para-Phenylenediamine	0.11		0.50
	pentachloro-Phenol	0.11		0.50
RLP 0013 2	Antimony (and compounds)		0.671	
	Arsenic (and compounds)		0.001	
	Barium (and compounds)		1.313	
	Beryllium (Table 51.1)		0.001	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0013 2	Cadmium (and compounds)		0.001	
	Chlorine		0.05	
	Chromium VI (and compounds)		0.006	
	Cobalt compounds		0.17	
	Copper (and compounds)		0.632	
	Hydrochloric acid		2.12	
	Lead compounds		0.12	
	Manganese (and compounds)		0.43	
	Mercury (and compounds)		0.013	
	Nickel (and compounds)		0.006	
	Selenium (and compounds)		0.413	
	Sulfuric acid		11.88	
RLP 0014 3	Zinc (and compounds)		1.24	
	Antimony (and compounds)		0.466	
	Arsenic (and compounds)		0.004	
	Barium (and compounds)		0.778	
	Beryllium (Table 51.1)		<0.001	
	Cadmium (and compounds)		<0.001	
	Chlorine		0.20	
	Chromium VI (and compounds)		0.001	
	Cobalt compounds		0.11	
	Copper (and compounds)		0.379	
	Hydrochloric acid		14.87	
	Lead compounds		0.08	
	Manganese (and compounds)		0.26	
	Mercury (and compounds)		0.011	
	Nickel (and compounds)		0.003	
UNF 0002 UNF02	Selenium (and compounds)		0.373	
	Sulfuric acid		5.63	
	Zinc (and compounds)		0.75	
	1,1,1-Trichloroethane			1.00
	1,1,2,2-Tetrachloroethane			0.14
	1,1,2-Trichloroethane			0.70

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0002 UNF02	1,1-Dichloroethane			1.00
	1,1-Dimethylhydrazine			1.00
	1,2,4-Trichlorobenzene			1.00
	1,2-Dibromo-3-chloropropane			1.00
	1,2-Dibromoethane			0.012
	1,2-Dichloroethane			0.023
	1,2-Dichloropropane			1.00
	1,2-Diphenylhydrazine			1.00
	1,2-Epoxybutane			1.00
	1,2-Epoxyethylbenzene			1.00
	1,2-Oxathiolane 2,2-dioxide			1.00
	1,3-Butadiene			0.012
	1,3-Dichloropropene			0.16
	1,4-Dichlorobenzene			1.00
	1,4-Dioxane			0.49
	2,2'-dichlorodiethyl ether			0.61
	2,2,4-Trimethylpentane			1.01
	2,4,5-Trichlorophenol			1.00
	2,4,6-Trichlorophenol			1.00
	2,4-Dichlorophenoxyacetic Acid			1.00
	2,4-Dinitrophenol			1.00
	2,4-Dinitrotoluene			0.04
	2,4-Toluene diamine			1.00
	2,6-Dinitrotoluene			0.04
	2-Acetylaminofluorene			1.00
	2-nitro-Propane			0.64
	3,3'-Dichlorobenzidine			1.00
	4,4'-Methylenebis-(2-Chloroaniline)			1.00
	4,4'-Methylenebisbenzeneamine			1.00
	4,6 Dinitro-o-cresol			1.00
	4-Aminodiphenyl			1.00
	4-Dimethylaminoazobenzene			1.00
	4-Nitrobiphenyl			1.00

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0002 UNFO2	4-Nitrophenol			1.00
	Acetaldehyde			0.34
	Acetamide			1.00
	Acetonitrile			0.75
	Acetophenone			1.00
	Acrolein			0.012
	Acrylamide			0.012
	Acrylic acid			0.19
	Acrylonitrile			0.017
	Allyl chloride			0.012
	Amiben			1.00
	Ammonia			0.56
	Aniline			0.29
	Antimony (and compounds)			0.032
	Arsenic (and compounds)			0.022
	Barium (and compounds)			0.181
	Benzene			0.12
	Benzidine			1.00
	Benzotrichloride			1.00
	Benzyl chloride			1.00
	Beryllium (Table 51.1)			0.012
	Biphenyl			0.04
	Bromoform			1.00
	Butene (mixed isomers)			1.00
	Cadmium (and compounds)			0.012
	Calcium cyanamide			1.00
	Captan			1.00
	Carbaryl			1.00
	Carbon disulfide			0.64
	Carbon tetrachloride			0.04
	Carbonyl sulfide			0.48
	Chlordane			1.00
	Chlorinated Dibenzo-P-Dioxins			0.0000005

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0002 UNF02	Chlorinated dibenzofurans			0.0000005
	Chlorine			0.27
	Chlorine dioxide			0.012
	Chloroacetic acid			1.00
	Chlorobenzene			0.012
	Chloroethane			1.00
	Chloroform			0.03
	Chloromethyl methyl ether			1.00
	Chloroprene			0.64
	Chromium VI (and compounds)			0.030
	Cobalt compounds			0.03
	Copper (and compounds)			0.111
	Cresol			0.58
	Cumene			1.00
	Cyanide compounds			1.00
	Diaminotoluene (mixed isomers)			0.12
	Diazomethane			1.00
	Dibutyl phthalate			0.18
	Dichloromethane			0.26
	Dichlorvos			1.00
	Diethanolamine			1.00
	Diethyl Sulfate			1.00
	Dimethyl formamide			1.00
	Dimethyl phthalate			1.00
	Dimethyl sulfate			1.00
	Dimethylcarbamoyl chloride			1.00
	Epichlorohydrin			0.67
	Ethyl 4,4'-Dichlorobenzilate			1.00
	Ethyl Acrylate			0.58
	Ethyl benzene			1.01
	Ethylene			1.00
	Ethylene glycol			0.95
	Ethylene oxide			0.017

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UNF 0002 UNF02	Ethyleneimine			1.00
	Ethylenethiourea			1.00
	Formaldehyde			0.12
	Glycol ethers (Table 51.1)			0.56
	Glycol ethers (Table 51.3)			1.00
	Heptachlor			1.00
	Hexachlorobenzene			0.41
	Hexachlorobutadiene			0.012
	Hexachlorocyclopentadiene			1.00
	Hexachloroethane			0.34
	Hexamethylene diisocyanate			1.00
	Hexamethylphosphoramide			1.00
	Hydrazine			0.012
	Hydrochloric acid			5.54
	Hydrofluoric acid			0.03
	Hydrogen cyanide			0.38
	Hydrogen sulfide			0.49
	Hydroquinone			1.00
	Iodomethane			1.00
	Isophorone			1.00
	Lead compounds			0.08
	Lindane			1.00
	Maleic anhydride			0.03
	Manganese (and compounds)			0.08
	Mercury (and compounds)			0.012
	Methanol			1.00
	Methoxychlor			1.00
	Methyl Isocyanate			1.00
	Methyl Tertiary Butyl Ether			1.00
	Methyl bromide			1.00
	Methyl chloride			0.89
	Methyl ethyl ketone			1.00
	Methyl isobutyl ketone			0.02

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0002 UNF02	Methyl methacrylate			1.00
	Methylene diphenyl diisocyanate			1.00
	Monomethyl hydrazine			1.00
	N,N-Diethyl aniline			1.00
	N,N-dimethylbenzamine			1.00
	N-Nitroso-N-Methylurea			1.00
	N-Nitrosodimethylamine			1.00
	N-Nitrosomorpholine			1.00
	Naphthalene (and Methyl naphthalenes)			0.60
	Nickel (and compounds)			0.038
	Nitric acid			0.14
	Nitrobenzene			0.19
	Parathion			1.00
	Pentachloronitrobenzene			1.00
	Phenol			0.18
	Phosgene			0.014
	Phosphine			1.00
	Phosphorus			1.00
	Phthalic Anhydride			0.19
	Polychlorinated biphenyls			1.00
	Polynuclear Aromatic Hydrocarbons			0.012
	Propionaldehyde			0.34
	Propoxur			1.00
	Propylene			1.00
	Propylene oxide			0.34
	Propylenimine			1.00
	Pyridine			0.56
	Pyrocatechol			1.00
	Quinoline			1.00
	Quinone			1.00
	Selenium (and compounds)			0.056
	Styrene			0.60
	Sulfuric acid			42.36

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0002 UNFO2	Tetrachloroethylene			0.64
	Titanium tetrachloride			1.00
	Toluene			1.01
	Toluene-2,4-diisocyanate			0.012
	Toluene-2,6-Diisocyanate			0.012
	Toxaphene			1.00
	Trichloroethylene			0.43
	Triethyl amine			1.00
	Trifluralin			1.00
	Urethane			1.00
	Vinyl acetate			0.63
	Vinyl bromide			1.00
	Vinyl chloride			0.11
	Vinylidene chloride			0.58
	Xylene (mixed isomers)			1.01
	Zinc (and compounds)			0.22
	alpha-Chloroacetophenone			1.00
	beta-Propiolactone			1.00
	bis(2-ethylhexyl)phthalate			1.00
	bis(Chloromethyl)ether			1.00
	n-Hexane			1.01
	n-butyl alcohol			1.00
	o-Aminoanisole			1.00
	o-dianisidine			1.00
	ortho-Tolidine			1.00
	ortho-Toluidine			1.00
	p,p'-DDE			1.00
	para-Phenylenediamine			1.00
	pentachloro-Phenol			1.00

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

Emission Rates Notes:

PCS 0001 1,1,1-Trichloroethane Tons/Year Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
 Which Months: All Year

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PCS 0001	1,1,2,2-Tetrachloroethane	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	1,1,2-Trichloroethane	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	1,1-Dichloroethane	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	1,1-Dimethylhydrazine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	1,2,4-Trichlorobenzene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	1,2-Dibromo-3-chloropropane	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	1,2-Dibromoethane	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	1,2-Dichloroethane	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	1,2-Dichloropropane	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	1,2-Diphenylhydrazine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	1,2-Epoxybutane	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	1,2-Epoxyethylbenzene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	1,2-Oxathiolane 2,2-dioxide	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	1,3-Butadiene	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	1,3-Dichloropropene	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	1,4-Dichlorobenzene	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	1,4-Dioxane	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	2,2-dichlorodiethylether	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	2,2,4-Trimethylpentane	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	2,4,5-Trichlorophenol	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	2,4,6-Trichlorophenol	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	2,4-Dichlorophenoxy acetic Acid	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	2,4-Dinitrophenol	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	2,4-Dinitrotoluene	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	2,4-Toluene diamine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	2,6-Dinitrotoluene	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	2-Acetylaminofluorene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	2-nitro-Propane	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	3,3'-Dichlorobenzidine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	4,4'-Methylenebis-(2-	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year

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PCS 0001	Chloroaniline)	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	4,4'-Methylenebisbenzeneamine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	4,6 Dinitro-o-cresol	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	4-Aminodiphenyl	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	4-Dimethylaminoazobenzene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	4-Nitrobiphenyl	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	4-Nitrophenol	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Acetaldehyde	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Acetamide	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Acetonitrile	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Acetophenone	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Acrolein	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Acrylamide	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Acrylic acid	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Acrylonitrile	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Allyl chloride	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Amiben	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Ammonia	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Aniline	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Benzene	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Benzidine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Benzotrichloride	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Benzyl chloride	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Biphenyl	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Bromoform	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Butene (mixed isomers)	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Calcium cyanamide	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Captan	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Carbaryl	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Carbon disulfide	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Carbon tetrachloride	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Carbonyl sulfide	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Chlordane	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Chlorine dioxide	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)

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PCS 0001	Chloroacetic acid	Tons/Year	Which Months: All Year Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Chlorobenzene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Chloroethane	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	Chloroform	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	Chloromethyl methyl ether	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Chloroprene	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	Cresol	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	Cumene	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	Cyanide compounds	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Diaminotoluene (mixed isomers)	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	Diazomethane	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Dibutyl phthalate	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	Dichloromethane	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	Dichlorvos	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Diethanolamine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Diethyl Sulfate	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Dimethyl formamide	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Dimethyl phthalate	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Dimethyl sulfate	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Dimethylcarbamoyl chloride	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Epichlorohydrin	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	Ethyl 4,4'-Dichlorobenzilate	Tons/Year	Which Months: All Year Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Ethyl Acrylate	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	Ethyl benzene	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	Ethylene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Ethylene glycol	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	Ethylene oxide	Tons/Year	Which Months: All Year Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	Ethyleneimine	Tons/Year	Which Months: All Year Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Ethylenethiourea	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Formaldehyde	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	Glycol ethers (Table 51.1)	Tons/Year	Which Months: All Year Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	Glycol ethers (Table 51.3)	Tons/Year	Which Months: All Year Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Heptachlor	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Hexachlorobenze	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)

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PCS 0001	ne	Tons/Year	Which Months: All Year Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	Hexachlorobutadiene	Tons/Year	Which Months: All Year Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Hexachlorocyclopentadiene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Hexachloroethane	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Hexamethylene diisocyanate	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Hexamethylphosphoramide	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Hydrazine	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Hydrofluoric acid	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Hydrogen cyanide	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Hydrogen sulfide	Tons/Year	Annual rate conservatively set at 20 lbs/yr to keep total emissions < MER. Which Months: All Year
PCS 0001	Hydroquinone	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Iodomethane	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Isophorone	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Lindane	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Maleic anhydride	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Methanol	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Methoxychlor	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Methyl Isocyanate	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Methyl Tertiary Butyl Ether	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Methyl bromide	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Methyl chloride	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Methyl ethyl ketone	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Methyl isobutyl ketone	Tons/Year	To remain under 10 tpy sitewide, allotted 20 lbs/y Which Months: All Year
PCS 0001	Methyl methacrylate	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Methylene diphenyl diisocyanate	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Monomethyl hydrazine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	N,N-Diethyl aniline	Avg lb/hr	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	N,N-dimethylbenzamine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	N-Nitroso-N-Methylurea	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	N-Nitrosodimethylamine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	N-Nitrosomorpholine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Naphthalene (and Methyl naphthalenes)	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Nitric acid	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)

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PCS 0001	Nitrobenzene	Tons/Year	Which Months: All Year Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	Parathion	Tons/Year	Which Months: All Year Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Pentachloronitrobenzene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Phenol	Tons/Year	Annual rate is minimum of [(10% of (MER - CVAL emissions), 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Phosgene	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Phosphine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Phosphorus	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Phthalic Anhydride	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Polychlorinated biphenyls	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Polynuclear Aromatic Hydrocarbons	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Propionaldehyde	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Propoxur	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Propylene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Propylene oxide	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Propylenimine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Pyridine	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Pyrocatechol	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Quinoline	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Quinone	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Styrene	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Tetrachloroethylene	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Titanium tetrachloride	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Toluene	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Toluene-2,4-diisocyanate	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Toluene-2,6-Diisocyanate	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Toxaphene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Toxic air pollutants (TAP)	Tons/Year	Overall limit on total TAPs for the process. The sum of individual TAP limits is greater than this limit (for operational flexibility) but the overall limit cannot be exceeded. Annual rate is a cap on total toxic air pollutants (TAPs) for this process. Total TAPs for the Sulfuric Acid Plant are limited to 8.92 tpy which is the sum of PSC001 TAP cap, PSC0002 TAP cap, individual TAP limits on other sources, and GCVXII TAPs Which Months: All Year
PCS 0001	Trichloroethylene	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Triethyl amine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Trifluralin	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Urethane	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Vinyl acetate	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)

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PCS 0001	Vinyl bromide	Tons/Year	Which Months: All Year Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Vinyl chloride	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	Vinylidene chloride	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	Xylene (mixed isomers)	Tons/Year	Which Months: All Year Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0001	alpha-Chloroacetophenone	Tons/Year	Which Months: All Year Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	beta-Propiolactone	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	bis(2-ethylhexyl)phthalate	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	bis(Chloromethyl) ether	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	n-Hexane	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	n-butyl alcohol	Tons/Year	Annual rate is minimum of (10% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	o-Aminoanisole	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	o-dianisidine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	ortho-Tolidine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	ortho-Toluidine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	p,p'-DDE	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	para-Phenylenediamine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0001	pentachloro-Phenol	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	1,1,1-Trichloroethane	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	1,1,2,2-Tetrachloroethane	Tons/Year	Annual rate is minimum of (80% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	1,1,2-Trichloroethane	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	1,1-Dichloroethane	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	1,1-Dimethylhydrazine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	1,2,4-Trichlorobenzene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	1,2-Dibromo-3-chloropropane	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	1,2-Dibromoethane	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	1,2-Dichloroethane	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	1,2-Dichloropropane	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	1,2-Diphenylhydrazine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	1,2-Epoxybutane	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	1,2-Epoxyethylbenzene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year

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PCS 0002	1,2-Oxathiolane 2,2-dioxide	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	1,3-Butadiene	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	1,3-Dichloropropene	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	1,4-Dichlorobenzene	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	1,4-Dioxane	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	2,2'-dichlorodiethylether	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	2,2,4-Trimethylpentane	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	2,4,5-Trichlorophenol	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	2,4,6-Trichlorophenol	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	2,4-Dichlorophenoxy acetic Acid	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	2,4-Dinitrophenol	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	2,4-Dinitrotoluene	Tons/Year	Annual rate is minimum of (65% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	2,4-Toluene diamine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	2,6-Dinitrotoluene	Tons/Year	Annual rate is minimum of (65% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	2-Acetylaminofluor ene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	2-nitro-Propane	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	3,3'-Dichlorobenzidine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	4,4'-Methylenebis-(2-Chloroaniline)	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	4,4'-Methylenebisben zeneamine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	4,6 Dinitro-o-cresol	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	4-Aminodiphenyl	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	4-Dimethylaminoaz obenzene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	4-Nitrobiphenyl	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	4-Nitrophenol	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Acetaldehyde	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Acetamide	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Acetonitrile	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Acetophenone	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Acrolein	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Acrylamide	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Acrylic acid	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)

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PCS 0002			Which Months: All Year
PCS 0002	Acrylonitrile	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0002	Allyl chloride	Tons/Year	Which Months: All Year Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)
PCS 0002	Amiben	Tons/Year	Which Months: All Year Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Ammonia	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Aniline	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Benzene	Tons/Year	Annual rate is minimum of (80% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Benzidine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Benzotrichloride	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Benzyl chloride	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Biphenyl	Tons/Year	Annual rate is minimum of (70% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Bromoform	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Butene (mixed isomers)	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Calcium cyanamide	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Captan	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Carbaryl	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Carbon disulfide	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Carbon tetrachloride	Tons/Year	Annual rate is minimum of (80% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Carbonyl sulfide	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Chlordane	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Chlorinated Dibenz-P-Dioxins	Tons/Year	Stack test data on Unit 1 and Unit Which Months: All Year
PCS 0002	Chlorinated dibenzofurans	Tons/Year	Stack test data on Unit 1 and Unit 2 Which Months: All Year
PCS 0002	Chlorine dioxide	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Chloroacetic acid	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Chlorobenzene	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Chloroethane	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Chloroform	Tons/Year	Annual rate is minimum of (70% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Chloromethyl methyl ether	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Chloroprene	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Cresol	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Cumene	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Cyanide compounds	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Diaminotoluene (mixed isomers)	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Diazomethane	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year

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PCS 0002	Dibutyl phthalate	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Dichloromethane	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Dichlorvos	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Diethanolamine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Diethyl Sulfate	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Dimethyl formamide	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Dimethyl phthalate	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Dimethyl sulfate	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Dimethylcarbamoyl chloride	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Epichlorohydrin	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Ethyl 4,4'-Dichlorobenzilate	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Ethyl Acrylate	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Ethyl benzene	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Ethylene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Ethylene glycol	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Ethylene oxide	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Ethyleneimine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Ethylenethiourea	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Formaldehyde	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Glycol ethers (Table 51.1)	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Glycol ethers (Table 51.3)	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Heptachlor	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Hexachlorobenzene	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Hexachlorobutadiene	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Hexachlorocyclopentadiene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Hexachloroethane	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Hexamethylene diisocyanate	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Hexamethylphosphoramide	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Hydrazine	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Hydrofluoric acid	Tons/Year	Annual rate is minimum of (75% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Hydrogen cyanide	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Hydrogen sulfide	Tons/Year	Annual rate conservatively set at 80 lbs/yr to keep total emissions < MER. Which Months: All Year
PCS 0002	Hydroquinone	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Iodomethane	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Isophorone	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year

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PCS 0002		Year	
PCS 0002	Lindane	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Maleic anhydride	Tons/Year	Annual rate is minimum of (70% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Methanol	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Methoxychlor	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Methyl Isocyanate	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Methyl Tertiary Butyl Ether	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Methyl bromide	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Methyl chloride	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Methyl ethyl ketone	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Methyl isobutyl ketone	Tons/Year	To remain under 10 tpy sitewide, allotted 20 lbs/yr Which Months: All Year
PCS 0002	Methyl methacrylate	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Methylene diphenyl diisocyanate	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Monomethyl hydrazine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	N,N-Diethyl aniline	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	N,N-dimethylbenzene mine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	N-Nitroso-N-Methylurea	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	N-Nitrosodimethylamine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	N-Nitrosomorpholine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Naphthalene (and Methyl naphthalenes)	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Nitric acid	Tons/Year	Annual rate is minimum of (80% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Nitrobenzene	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Parathion	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Pentachloronitrobenzene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Phenol	Tons/Year	Annual rate is minimum of [(85% of (MER - CVAL emissions), 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Phosgene	Tons/Year	Annual rate is minimum of (80% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Phosphine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Phosphorus	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Phthalic Anhydride	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Polychlorinated biphenyls	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Polynuclear Aromatic Hydrocarbons	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Propionaldehyde	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process)

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PCS 0002			Which Months: All Year
PCS 0002	Propoxur	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Propylene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Propylene oxide	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Propylenimine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Pyridine	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Pyrocatechol	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Quinoline	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Quinone	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Styrene	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Tetrachloroethylene	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Titanium tetrachloride	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Toluene	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Toluene-2,4-diisocyanate	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Toluene-2,6-Diisocyanate	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Toxaphene	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Toxic air pollutants (TAP)	Tons/Year	Overall limit on total TAPs for the process. The sum of individual TAP limits is greater than this limit (for operational flexibility) but the overall limit cannot be exceeded. Annual rate is a cap on total toxic air pollutants (TAPs) for this process. Total TAPs for the Sulfuric Acid Plant are limited to 8.92 tpy which is the sum of PSC001 TAP cap, PSC0002 TAP cap, individual TAP limits on other sources, and GCVXII TAPs Which Months: All Year
PCS 0002	Trichloroethylene	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Triethyl amine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Trifluralin	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Urethane	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Vinyl acetate	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Vinyl bromide	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Vinyl chloride	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Vinylidene chloride	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	Xylene (mixed isomers)	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	alpha-Chloroacetophenone	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	beta-Propriolactone	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	bis(2-ethylhexyl)phthalate	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	bis(Chloromethyl) ether	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	n-Hexane	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	n-butyl alcohol	Tons/Year	Annual rate is minimum of (85% of MER, 1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year

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PCS 0002	o-Aminoanisole	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	o-dianisidine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	ortho-Tolidine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	ortho-Toluidine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	p,p'-DDE	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	para-Phenylenediamine	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year
PCS 0002	pentachloro-Phenol	Tons/Year	Annual rate is minimum of (1000 lbs/yr, total VOC TAPs for sources in this process) Which Months: All Year

SPECIFIC REQUIREMENTS

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Group: PCS 0001 Spent Acid Process

Group Members: ARE 0002 CRG 0003 CRG 0004 CRG
 EQT 0008 EQT 0150 EQT 0151 EQT 0161 EQT 0164 EQT 0165 EQT 0167 EQT 0168 EQT 0169 EQT 0171 EQT 0176 EQT 0177 FUG 0002
 0003

ARE 0002 M4 - West End Sump

- 1 [LAC 33:III.5107.A.2] Emits Class III TAP (via process group PCS0001), and emits Class I and/or Class II TAP (via process group PCS0001) less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

CRG 0003 CRG003 - Spent Acid Tanks

Group Members: EQT 0008 EQT 0161 EQT 0163 EQT 0164 EQT 0165 EQT 0169 EQT 0171

- 2 [40 CFR 60.110(b)(e)] Complies with 40 CFR 60 Subpart Kb by complying with 40 CFR 65 Subparts C and G. Monitoring requirements of 40 CFR 60.116(b)(c), (e), (f)(1), and (g) still apply. Subpart Kb. [40 CFR 60.110(b)(e)]
 Equipment/operational data monitored by technically sound method at the approved frequency. Monitor the disposition of spent acid tank vent (Sulfuric Acid Unit No. 1 versus APVC). Subpart G. [40 CFR 65.145(c)(2)]
 Which Months: All Year Statistical Basis: None specified
 Operate and maintain a closed vent system and a control device. Ensure that the control device is designed and operated to reduce inlet emissions of regulated material by 95% or greater, except during periods of planned routine maintenance or during a control system malfunction. Ensure that periods of planned routine maintenance do not exceed 240 hours per year. Subpart C. [40 CFR 65.42(b)(5)]
 Equipment/operational data recordkeeping by electronic or hard copy once initially. Keep readily accessible records showing the dimensions of the storage vessel and an analysis of the capacity of the storage vessel. Keep records as long as the storage vessel is in operation. Subpart C. [40 CFR 65.47(b)]

CRG 0004 CRG004 - 99/Oleum/Spent Swing Tanks

Group Members: EQT 0167 EQT 0168

- 6 [40 CFR 60.110(b)(e)] Complies with 40 CFR 60 Subpart Kb by complying with 40 CFR 65 Subparts C and G. Monitoring requirements of 40 CFR 60.116(b)(c), (e), (f)(1), and (g) still apply. Subpart Kb. [40 CFR 60.110(b)(e)]
 Equipment/operational data monitored by technically sound method at the approved frequency. Monitor the disposition of spent acid tank vent (Sulfuric Acid Unit No. 1 versus APVC). Subpart G. [40 CFR 65.145(c)(2)]
 Which Months: All Year Statistical Basis: None specified
 Operate and maintain a closed vent system and a control device. Ensure that the control device is designed and operated to reduce inlet emissions of regulated material by 95% or greater, except during periods of planned routine maintenance or during a control system malfunction. Ensure that periods of planned routine maintenance do not exceed 240 hours per year. Subpart C. [40 CFR 65.42(b)(5)]
 Equipment/operational data recordkeeping by electronic or hard copy once initially. Keep readily accessible records showing the dimensions of the storage vessel and an analysis of the capacity of the storage vessel. Keep records as long as the storage vessel is in operation. Subpart C. [40 CFR 65.47(b)]

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
 Activity Number: PER20070006
 Permit Number: 0840-00033-V2
 Air - Title V Regular Permit Renewal

Group: PCS 0001 Spent Acid Process**CRG 0004 CRG004 - 99/Oleum/Spent Swing Tanks**

10 [LAC 33:III.501.C.6]
 The requirements listed under CRG004 for the 99/Oleum/Spent Swing Tanks (EQT167 & EQT168) only apply when these tanks are in Spent Acid Service.

EQT 0150 26 - Spent Acid Barge Loading Scrubber

11 [LAC 33:III.501.C.6]

Packed Column Spray Nozzle Pressure ≥ 15 psig when barge vents are routed to scrubber. Permittee is allowed one excused excursion per semi-annual period. STATE ONLY.

Which Months: All Year Statistical Basis: Four-hour average

pH recordkeeping by electronic or hard copy once every four hours when barge vents are routed to scrubber. STATE ONLY.

Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. STATE ONLY.

The requirements listed for EQT 0150 (Source 26) only apply when portable scrubber Industrial Field Service (IFS) Unit 1 is being used. Permittee may substitute IFS Unit 4 (Permit No. 7777-00314-01) or IFS Unit 6 (Permit No. 7777-00413-00) and follow the monitoring requirements for those scrubbers required by their respective permits. STATE ONLY.

pH monitored by pH instrument once every four hours when barge vent are routed to scrubber. STATE ONLY.

Which Months: All Year Statistical Basis: None specified

pH ≥ 10 s.u. when barge vents are routed to scrubber. Permittee is allowed one excused excursion per semi-annual period. STATE ONLY.

Which Months: All Year Statistical Basis: Four-hour average

Pressure monitored by pressure instrument once every four hours when barge vents are routed to scrubber. STATE ONLY.

Which Months: All Year Statistical Basis: None specified

Pressure recordkeeping by electronic or hard copy once every four hours when barge vents are routed to scrubber. STATE ONLY.

Emits Class III TAP (via process group PCS0001), and emits Class I and/or Class II TAP (via process group PCS0001) less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. STATE ONLY.

EQT 0151 27 - Acid Plant Vapor Combustor

20 [40 CFR 65.145(a)]

The owner or operator shall operate and maintain the nonflare control device so that the monitored parameters defined in the monitoring plan remain within the ranges specified in the Initial Compliance Status Report whenever emissions of regulated material are routed to the control device, except during periods of startup, shutdown, and malfunction. Subpart G. [40 CFR 65.145(a)]

Temperature ≥ 1512 F when regulated tanks are venting to the APVC; or VOC, Total $\geq 95\%$ destruction removal efficiency (DRE) when calculated by time-weighted average factoring in the amount of time vented to Sulfuric Acid Unit No. 1 (RLP 014). Subpart G. [40 CFR 65.145(a)]

Which Months: All Year Statistical Basis: Daily average

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
Activity Number: PER20070006
Permit Number: 0840-00033-V2
Air - Title V Regular Permit Renewal

Group: PCS 0001 Spent Acid Process**EQT 0151 27 - Acid Plant Vapor Combustor**

- 22 [40 CFR 65.145(c)(1)] Submit a monitoring plan containing the information in 40 CFR 65.165(b) to identify the parameters that will be monitored to assure proper operation of the control device, unless previously established under an applicable standard prior to the implementation date of 40 CFR 65.
Subpart G. [40 CFR 65.145(c)(1)]
- 23 [40 CFR 65.145(c)(2)] Temperature monitored by temperature monitoring device at the approved frequency. Monitor the firebox temperature. Subpart G. [40 CFR 65.145(c)(2)]
- 24 [40 CFR 65.163] Which Months: All Year Statistical Basis: Daily average Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 65.163(a) through (e), as applicable. Subpart G.
- 25 [40 CFR 65.5(c)] Submit Startup, Shutdown, and Malfunction Report: Due by the 30th day following the end of each calendar half (or other calendar reporting period, as appropriate), unless the information is submitted with the periodic report. Include the information specified in 40 CFR 65.6(c)(1) through (c)(4), as appropriate. Subpart A. [40 CFR 65.5(c)]
- 26 [40 CFR 65.5(e)] Submit Periodic Report: Due semiannually, no later than 60 calendar days after the end of each six-month period. Include all information specified in subparts of 40 CFR 65 and in 40 CFR 65.5(f). Subpart A. [40 CFR 65.5(e)]
- 27 [40 CFR 65.6(b)(1)] Develop a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the regulated source during periods of startup, shutdown, and malfunction and a program of corrective action for malfunctioning processes and air pollution control equipment used to comply with the relevant standard. Address routine or otherwise predictable CMPS malfunctions. Develop the plan by the regulated source's implementation date as specified in 40 CFR 65.1(f), or for sources referenced from 40 CFR 63 Subpart F, by the compliance date specified in 40 CFR 63 Subpart F. Subpart A. [40 CFR 65.6(b)(1)]
- 28 [LAC 33.III.1101.C] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, changing of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 29 [LAC 33.III.1311.C] Which Months: All Year Statistical Basis: None specified Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 30 [LAC 33.III.5107.A.2] Which Months: All Year Statistical Basis: Six-minute average Emits Class III TAP (via this source and process group PCS0001), and emits Class I and/or Class II TAP (via process group PCS0001) less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33.III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33.III.5105.B.
- EQT 0176 20D120/30D240 - IFS Mix Tank**
- 31 [LAC 33.III.2103.A] Each tank, reservoir, or container with a capacity less than 40,000 gallons but more than 250 gallons storing any VOC with a vapor pressure greater than 1.5 psia shall be equipped with a submerged fill pipe or a vapor loss control system.
- 32 [LAC 33.III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33.III.2103.I.1 - 7, as applicable.

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
 Activity Number: PER20070006
 Permit Number: 0840-00033-V2
 Air - Title V Regular Permit Renewal

Group: PCS 0001 Spent Acid Process**EQT 0176 20D120/30D240 - IFS Mix Tank**

33 [LAC 33:III.5107.A.2] Emits Class I and/or Class II and/or Class III TAP (via process group PCS0001) less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

EQT 0185 M7 - 001 Wastewater Treatment Unit

34 [LAC 33:III.5107.A.2] Emits Class III TAP (via process group PCS0001), and emits Class I and/or Class II TAP (via process group PCS0001) less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

EQT 0277 13 - Acid Plant Caustic Scrubber

35 [LAC 33:III.1513.C] Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

36 [LAC 33:III.501.C.6] pH recordkeeping by electronic or hard copy once every 15 minutes only when venting to scrubber. STATE ONLY.

37 [LAC 33:III.501.C.6] Flow rate recordkeeping by electronic or hard copy once every 15 minutes only when venting to scrubber. STATE ONLY.

38 [LAC 33:III.501.C.6] Flow rate ≥ 400 gallons/min when venting to scrubber. 400 GPM is the preliminary estimate; the actual minimum flow rate is to be determined by stack test scheduled for 09/30/2009 and incorporated into permit as soon as practical. STATE ONLY.

39 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Four-hour average pH ≥ 7 s.u. when venting to scrubber. STATE ONLY.

40 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Four-hour average pH monitored by pH instrument continuously only when venting to scrubber. STATE ONLY.

41 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified

42 [LAC 33:III.501.C.6] Flow rate monitored by flow rate monitoring device continuously only when venting to scrubber. STATE ONLY.

43 [LAC 33:III.905] Which Months: All Year Statistical Basis: None specified

Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. STATE ONLY.

Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded.

FUG 0002 FUG-ACID - Acid Plant Fugitive Emissions

44 [40 CFR 65.143(a)(1)] Ensure that each closed vent system is designed and operated to collect the regulated material vapors from the emission point and to route the collected vapors to a control device. Subpart G. [40 CFR 65.143(a)(1)]

45 [40 CFR 65.143(a)(2)] Operate closed vent systems at all times when emissions are vented to them. Subpart G. [40 CFR 65.143(a)(2)]

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
Activity Number: PER2007006
Permit Number: 0840-00033-V2
Air - Title V Regular Permit Renewal

Group: PCS 0001 Spent Acid Process**FUG 0002 FUG-ACID - Acid Plant Fugitive Emissions**

- 46 [40 CFR 65.143(a)(3)(ii)] Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 65.143(a)(3)(ii)]
- 47 [40 CFR 65.143(a)(3)(ii)] Which Months: All Year Statistical Basis: None specified Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 65.143(a)(3)(ii)]
- 48 [40 CFR 65.143(b)(1)(i)(A)] Closed vent system (hard piping): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency, as specified in 40 CFR 65.143(c). Subpart G. [40 CFR 65.143(b)(1)(i)(A)]
- 49 [40 CFR 65.143(b)(1)(i)(B)] Which Months: All Year Statistical Basis: None specified Closed vent system (hard piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. Subpart G. [40 CFR 65.143(b)(1)(i)(B)]
- 50 [40 CFR 65.143(b)(1)(ii)] Which Months: All Year Statistical Basis: None specified Closed vent system (ductwork): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, as specified in 40 CFR 65.143(c). Subpart G. [40 CFR 65.143(b)(1)(ii)]
- 51 [40 CFR 65.143(b)(2)(i)] Which Months: All Year Statistical Basis: None specified Closed vent system (unsafe to inspect): Determine that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential danger as a consequence of complying with 40 CFR 65.143(b)(1). Comply with this requirement instead of the requirements in 40 CFR 65.143(b)(1). Subpart G. [40 CFR 65.143(b)(2)(i)]
- 52 [40 CFR 65.143(b)(2)(ii)] Closed vent system (unsafe to inspect): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practicable during safe-to-monitor times but not more frequently than annually. Comply with this requirement instead of the requirements in 40 CFR 65.143(b)(1). Subpart G. [40 CFR 65.143(b)(2)(ii)]
- 53 [40 CFR 65.143(b)(3)(i)] Which Months: All Year Statistical Basis: None specified Closed vent system (difficult to inspect): Determine that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters (7 feet) above a support surface. Comply with this requirement instead of the requirements in 40 CFR 65.143(b)(1). Subpart G. [40 CFR 65.143(b)(3)(i)]
- 54 [40 CFR 65.143(b)(3)(ii)] Closed vent system (difficult to inspect): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 once every five years. Comply with this requirement instead of the requirements in 40 CFR 65.143(b)(1). Subpart G. [40 CFR 65.143(b)(3)(ii)]
- 55 [40 CFR 65.143(d)(1)] Which Months: All Year Statistical Basis: None specified Closed vent system: Eliminate indications of a leak, or monitor the equipment according to the provisions in 40 CFR 65.143(c), if there are visible, audible or olfactory indications of leaks at the time of the annual visual inspections required by 40 CFR 65.143(b)(1)(i)(B). Subpart G. [40 CFR 65.143(d)(1)]
- 56 [40 CFR 65.143(d)(2)] Closed vent system: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected or at the beginning of the next introduction of vapors to the system, whichever is later, except as specified in 40 CFR 65.143(d)(3). Subpart G. [40 CFR 65.143(d)(2)]

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
 Activity Number: PER20070006
 Permit Number: 0840-00033-V2
 Air - Title V Regular Permit Renewal

Group: PCS 0001 Spent Acid Process**FUG 0002 FUG-ACID - Acid Plant Fugitive Emissions**

- 57 [40 CFR 65.143(d)(3)] Closed vent system: Complete repairs as soon as practical, but not later than the end of the next closed vent system shutdown, if repair of a leak is technically infeasible without a closed vent system shutdown, or if it is determined that emissions from immediate repair would be greater than the emissions likely to result from delay of repair. Subpart G. [40 CFR 65.143(d)(3)]
- 58 [40 CFR 65.163] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 65.163(a) through (e), as applicable. Subpart G.
- 59 [LAC 33:III.1513.C] Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
- 60 [LAC 33:III.5107.A.2] Emits Class III TAP (via this source and process group PCS0001), and emits Class I and/or Class II TAP (via process group PCS0001) less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

Group: PCS 0002 TS Process

Group Members: ARE 0003 CRG CRG
 0001 0002
 FUG 0003 RLP 0013 RLP 0014

ARE 0003 M3 - Treatment Services Sumps

- 61 [LAC 33:III.5107.A.2]

Emits Class III TAP (via process group PCS0002), and emits Class I and/or Class II TAP (via process group PCS0002) less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

CRG 0001 CRG001 - 40D250, 40D280, and 40D200

Group Members: EQT 0177EQT 0178EQT 0180

- 62 [40 CFR 60.112b(a)(3)(i)] Closed vent system: Design to collect all VOC vapors and gases discharged from the storage vessel. Subpart Kb. [40 CFR 60.112b(a)(3)(i)]
- 63 [40 CFR 60.112b(a)(3)(ii)] VOC, Total \geq 95 % reduction efficiency using a closed vent system and control device. Sulfuric Acid Unit No. 2 serves as the primary control device for these tanks. The TS Vapor Combustor serves as the secondary control device for these tanks. Subpart Kb. [40 CFR 60.112b(a)(3)(ii)]
- 64 [40 CFR 60.116b(b)] Which Months: All Year Statistical Basis: None specified
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
Activity Number: PER20070006
Permit Number: 0840-00033-V2
Air - Title V Regular Permit Renewal

Group: PCS 0002 TS Process**CRG 0001 CRG001 - 40D250, 40D280, and 40D200**

- 65 [40 CFR 61.343(a)(1)(A)] Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). (Method 21). Subpart FF. [40 CFR 61.343(a)(1)(A)]
- 66 [40 CFR 61.343(a)(1)(B)] Fixed roof: Maintain each opening in a closed, sealed position at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair, except as specified in 40 CFR 61.343(a)(1)(C). Subpart FF. [40 CFR 61.343(a)(1)(B)]
- 67 [40 CFR 61.343(a)(1)] Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. Subpart FF. [40 CFR 61.343(a)(1)]
- 68 [40 CFR 61.343(c)] Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
- 69 [40 CFR 61.343(d)] Which Months: All Year. Statistical Basis: None specified Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 70 [40 CFR 61.349(a)(1)(iii)] Closed-vent system: Ensure that all gauging and sampling devices are gas-tight except when gauging or sampling is taking place. Subpart FF. [40 CFR 61.349(a)(1)(iii)]
- 71 [40 CFR 61.355] Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.
- 72 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 73 [40 CFR 63.133(a)(2)(i)] Operate and maintain a fixed roof and a closed-vent system that routes the organic hazardous air pollutants vapors vented from the wastewater tank to a control device. Subpart G. [40 CFR 63.133(a)(2)(i)]
- 74 [40 CFR 63.133(b)(1)(i)] Fixed roof: Maintain in accordance with the requirements specified in 40 CFR 63.148, except as provided in 40 CFR 63.133(b)(4). Subpart G. [40 CFR 63.133(b)(1)(i)]
- 75 [40 CFR 63.133(b)(1)(ii)] Fixed roof: Maintain each opening in a closed position at all times that the wastewater tank contains a Group 1 wastewater stream or residual removed from a Group 1 wastewater stream except when it is necessary to use the opening for wastewater sampling, removal, or for equipment inspection, maintenance, or repair. Subpart G. [40 CFR 63.133(b)(1)(ii)]
- 76 [40 CFR 63.133(f)] Equipment/operational data monitored by technically sound method once initially and once every six months. Monitor for improper work practices in accordance with 40 CFR 63.143, except as specified in 40 CFR 63.133(e). Subpart G. [40 CFR 63.133(f)]
- 77 [40 CFR 63.133(g)] Which Months: All Year. Statistical Basis: None specified Equipment/operational data monitored by technically sound method at the regulation's specified frequency. Inspect each wastewater tank for control equipment failures as defined in 40 CFR 63.133(g)(1) through (g)(1)(ix) according to the schedule in 40 CFR 63.133(g)(2) and (g)(3). Subpart G. [40 CFR 63.133(g)]
- 78 [40 CFR 63.143(a)] Which Months: All Year. Statistical Basis: None specified Comply with the inspection requirements in 40 CFR 63 Subpart G Table 11. Subpart G. [40 CFR 63.143(a)]

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
 Activity Number: PER20070006
 Permit Number: 0840-00033-V2
 Air - Title V Regular Permit Renewal

Group: PCS 0002 TS Process**CRG 0001 CRG001 - 40D250, 40D280, and 40D200**

79 [LAC 33:III.2103.B] Equip with a submerged fill pipe.

80 [LAC 33:III.2103.E.] VOC, Total $\geq 95\%$ control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

Which Months: All Year Statistical Basis: None specified

Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. Routed to Sulfuric Acid Unit No. 2 or TS Vapr Combustor.

82 [LAC 33:III.2103.H.2] Determine compliance with LAC 33:III.2103.E using the methods in LAC 33:III.2103.H.2.a-e, where appropriate.

83 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

CRG 0002 CRG002 - 40D290, 40D210, 40D300, and 40D220

Group Members: EQT 0179EQT 0181EQT 0182EQT 0183

84 [40 CFR 61.343(a)(1)(i)(A)] Fixed roof. Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). (Method 21). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]

85 [40 CFR 61.343(a)(1)(i)(B)] Fixed roof. Maintain each opening in a closed, sealed position at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair, except as specified in 40 CFR 61.343(a)(1)(i)(C). Subpart FF. [40 CFR 61.343(a)(1)(i)(B)]

86 [40 CFR 61.343(a)(1)] Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. Subpart FF. [40 CFR 61.343(a)(1)]

87 [40 CFR 61.343(c)] Fixed-roof. Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]

88 [40 CFR 61.343(d)] Which Months: All Year Statistical Basis: None specified Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]

89 [40 CFR 61.349(a)(1)(iii)] Closed-vent system: Ensure that all gauging and sampling devices are gas-tight except when gauging or sampling is taking place. Subpart FF. [40 CFR 61.349(a)(1)(iii)]

90 [40 CFR 61.355] Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.

91 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.

92 [40 CFR 63.133(a)(1)] Operate and maintain a fixed roof. Subpart G. [40 CFR 63.133(a)(1)]

SPECIFIC REQUIREMENTS

All ID: 1314 - Rhodia Inc
Activity Number: PER2007006
Permit Number: 0840-00033-V2
Air - Title V Regular Permit Renewal

Group: PCS 0002 TS Process**CRG 0002 CRG002 - 40D290, 40D210, 40D300, and 40D220**

Equipment/operational data monitored by technically sound method once initially and once every six months. Monitor for improper work practices in accordance with 40 CFR 63.143, except as specified in 40 CFR 63.133(e). Subpart G. [40 CFR 63.133(f)]

Which Months: All Year Statistical Basis: None specified

Equipment/operational data monitored by technically sound method at the regulation's specified frequency. Inspect each wastewater tank for control equipment failures as defined in 40 CFR 63.133(g)(1)(i) through (g)(1)(ix) according to the schedule in 40 CFR 63.133(g)(2) and (g)(3).

Subpart G. [40 CFR 63.133(g)]

Which Months: All Year Statistical Basis: None specified

Comply with the inspection requirements in 40 CFR 63 Subpart G Table 11. Subpart G. [40 CFR 63.143(a)]

Each tank, reservoir, or container with a capacity less than 40,000 gallons but more than 250 gallons storing any VOC with a vapor pressure greater than 1.5 psia shall be equipped with a submerged fill pipe or a vapor loss control system.

If required, Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2|03.H.3.a-e.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|03.I.1 - 7, as applicable.

EQT 0147 21 - TS Vapor Combustor

99 [40 CFR 60.112b(a)(3)(ii)]

VOC, Total \geq 95 % reduction efficiency using a closed vent system and control device. Subpart Kb. [40 CFR 60.112b(a)(3)(ii)]

Which Months: All Year Statistical Basis: Three-hour average

Equipment/operational data monitored by the regulation's specified method(s) at the regulation's specified frequency. Monitor the parameters of the closed vent system and control device in accordance with the operating plan submitted to DEQ in accordance with 40 CFR 60.113b(c)(1) of this section, unless the plan was modified by DEQ during the review process. In this case, the modified plan applies. Therefore, monitor firebox temperature continuously. Subpart Kb. [40 CFR 60.113b(c)(2)]

Which Months: All Year Statistical Basis: None specified

Operating plan recordkeeping by electronic or hard copy at the approved frequency. Keep copies of all records for the life of the control equipment. Subpart Kb. [40 CFR 60.115b(c)(1)]

Monitoring data recordkeeping by electronic or hard copy upon measurement in accordance with the operating plan of 40 CFR 60.113b(c)(2).
Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(c)(2)]

Residence time \geq 0.5 sec at a minimum temperature of 760 degrees C (1400 degrees F). Subpart FF. [40 CFR 61.349(a)(2)(i)(C)]

Which Months: All Year Statistical Basis: None specified

Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]

Which Months: All Year Statistical Basis: None specified

Temperature monitored by temperature monitoring device continuously. Install the temperature sensor at a representative location in the combustion chamber. Subpart FF. [40 CFR 61.354(c)(1)]

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
Activity Number: PER20070006
Permit Number: 0840-00033-V2
Air - Title V Regular Permit Renewal

Group: PCS 0002 TS Process**EQT 0147 21 - TS Vapor Combustor**

- 106 [40 CFR 61.354(c)]
 Inspect the firebox temperature results daily to ensure proper operation. Subpart FF. [40 CFR 61.354(c)]
- 107 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 108 [40 CFR 63.139(b)] Ensure that the control device is operating whenever organic hazardous air pollutants emissions are vented to the control device. Subpart G. [40 CFR 63.139(b)]
- 109 [40 CFR 63.139(c)(iii)] Residence time >= 0.5 sec at a minimum temperature of 760 degrees C. The TS Vapor Combustor is the secondary control device for TS tanks that are subject to vapor control per 63.133(a)(2) if/when notice is received from a customer that a HON Group 1 wastewater or residual has been shipped to Rhodia. Subpart G. [40 CFR 63.139(c)(1)(iii)]
- Which Months: All Year Statistical Basis: None specified Demonstrate that each control device or combination of control devices achieves the appropriate conditions specified in 40 CFR 63.139(c) by using one or more of the methods specified in 40 CFR 63.138(d)(1), (d)(2), or (d)(3), except as specified in (d)(4). Subpart G. [40 CFR 63.139(d)]
- 110 [40 CFR 63.139(d)] Comply with the monitoring requirements specified in 40 CFR 63 Subpart G Table 13. Continuously monitor the firebox temperature. Subpart G. [40 CFR 63.143(e)(1)]
- The firebox temperature monitoring equipment shall be installed, calibrated, and maintained according to manufacturer's specifications or other written procedures that provide adequate assurance that the equipment will monitor accurately. Subpart G. [40 CFR 63.143(g)]
- 111 [40 CFR 63.143(e)(1)] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: None specified Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
- 112 [40 CFR 63.143(g)] VOC, Total >= 95 % control efficiency. Vapor loss control system shall be capable of minimum VOC control efficiency of 95%. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
- 113 [LAC 33:III.1101.B] Which Months: All Year Statistical Basis: Three-hour average Determine compliance with LAC 33:III.2103.E using the methods in LAC 33:III.2103.H.2.a-e, where appropriate.
- 114 [LAC 33:III.1311.C] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 115 [LAC 33:III.1513.C] Emits Class III TAP (via this source and process group PCS0002), and emits Class I and/or Class II TAP (via process group PCS0002) less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- 116 [LAC 33:III.2103.E.1]
- 117 [LAC 33:III.2103.H.2]
- 118 [LAC 33:III.2103.I.]
- 119 [LAC 33:III.5107.A.2]

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
Activity Number: PER20070006
Permit Number: 0840-00033-V2
Air - Title V Regular Permit Renewal

Group: PCS 0002 TS Process**EQT 0278 U1-Scbr - Unit 1 Tail Gas Scrubber**

120 [LAC 33:III.905]

Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded.

EQT 0279 U2-Scbr - Unit 2 Tail Gas Scrubber

121 [LAC 33:III.905]

Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded.

EQT 0280 U1-Furn - Unit 1 Furnace

122 [40 CFR 61.342(c)(1)(i)]

123 [40 CFR 61.348(e)]

124 [40 CFR 61.356]

125 [40 CFR 63.138(h)(2)(i)]

126 [40 CFR 65.145(a)]

127 [40 CFR 65.145(c)(1)]

128 [40 CFR 65.145(c)(1)]

129 [40 CFR 65.145(c)(2)]

130 [40 CFR 65.163]

Waste streams containing benzene: Remove or destroy the benzene contained in the waste using a treatment process or wastewater treatment system that complies with the standards specified in 40 CFR 61.348. Subpart FF. [40 CFR 61.342(c)(1)(i)]

Maintain furnace pressure at -0.1 inches of water maximum, 10-second delay. Furnace openings shall operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in §61.355(h). Compliance with this requirement assures compliance with 40 CFR 61.348(c). [40 CFR 61.348(e), LAC 33:III.507.H.1.a]

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (h), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.

Treat the wastewater stream or residual in a unit identified in, and complying with, 40 CFR 63.138(h)(1), (h)(2), or (h)(3). Rhodia will comply with (h)(2) which states a boiler or heater that has been issued a final permit under 40 CFR 270 and complies with 40 CFR 266 Subpart H. Subpart G. [40 CFR 63.138(h)(2)(i)]

The owner or operator shall operate and maintain the nonflare control device so that the monitored parameters defined in the monitoring plan remain within the ranges specified in the Initial Compliance Status Report whenever emissions of regulated material are routed to the control device, except during periods of startup, shutdown, and malfunction. Subpart G. [40 CFR 65.145(a)]

Submit a monitoring plan containing the information in 40 CFR 65.165(b) to identify the parameters that will be monitored to assure proper operation of the control device, unless previously established under an applicable standard prior to the implementation date of 40 CFR 65. Subpart G. [40 CFR 65.145(c)(1)]

Temperature ≥ 1500 F when spent acid tanks are venting to Sulfuric Acid Unit No. 1. Subpart G. [40 CFR 65.145(c)(1)]

Which Months: All Year Statistical Basis: None specified

The owner or operator shall monitor the parameters specified in the Initial Compliance Status Report or in the operating permit. Therefore, Combustion zone temperature shall be monitored. Records shall be generated as specified in 65.163(b)(1). [40 CFR 65.145(c)(2)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 65.163(a) through (e), as applicable. Subpart G.

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
Activity Number: PER20070006
Permit Number: 0840-00033-V2
Air - Title V Regular Permit Renewal

Group: PCS 0002 TS Process**EQT 0280 U1-Furn - Unit 1 Furnace**

131 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

EQT 0281 U2-RFurn - Unit 2 Regen Furnace

132 [40 CFR 60.112b(a)(3)(ii)]

VOC, Total >= 95 % reduction efficiency. Subpart Kb. [40 CFR 60.112b(a)(3)(ii)]

Which Months: All Year Statistical Basis: Three-hour average Equipment/operational data monitored by the regulation's specified method(s) continuously. Monitor the parameters of the closed vent system and control device in accordance with the operating plan submitted to DEQ in accordance with 40 CFR 60.113b(c)(1) of this section, unless the plan was modified by DEQ during the review process. In this case, the modified plan applies. Therefore, monitor firebox temperature (Regen furnace) continuously. Subpart Kb. [40 CFR 60.113b(c)(2)]

Which Months: All Year Statistical Basis: None specified Operating plan recordkeeping by electronic or hard copy at the approved frequency. Keep copies of all records for the life of the control equipment. Subpart Kb. [40 CFR 60.115b(c)(1)]

Monitoring data recordkeeping by electronic or hard copy upon measurement in accordance with the operating plan of 40 CFR 60.113b(c)(2).

Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(c)(2)]

Waste streams containing benzene: Remove or destroy the benzene contained in the waste using a treatment process or wastewater treatment system that complies with the standards specified in 40 CFR 61.348. Subpart FF. [40 CFR 61.342(c)(1)(i)] Maintain furnace pressure at -0.1 inches of water maximum, 10-second delay. Furnace openings shall operate with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background, as determined initially and thereafter at least once per year by the methods specified in §61.355(h). Compliance with this requirement assures compliance with 40 CFR 61.348(e). [40 CFR 61.348(e), LAC 33:III.507.H.1.a]

Residence time >= 0.5 sec at a minimum temperature of 760 degrees C (1400 degrees F) in the Regen furnace. Subpart FF. [40 CFR 61.349(a)(2)(i)(C)]

Which Months: All Year Statistical Basis: None specified Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]

Which Months: All Year Statistical Basis: None specified Equipment/operational data monitored by technically sound method continuously. Monitor a parameter that indicates good combustion operating practices are being used. Subpart FF. [40 CFR 61.354(c)(5)]

Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by recorder continuously. Record a parameter that indicates good combustion operating practices are being used. Subpart FF. [40 CFR 61.354(c)(5)]

SPECIFIC REQUIREMENTS

All ID: 1314 - Rhodia Inc
Activity Number: PER20070006
Permit Number: 0840-00033-V2
Air - Title V Regular Permit Renewal

Group: PCS 0002 TS Process**EQT 0281 U2-RFurn - Unit 2 Regen Furnace**

- 142 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 143 [40 CFR 63.138(h)(2)(i)] Treat the wastewater stream or residual in a unit identified in, and complying with, 40 CFR 63.138(h)(1), (h)(2), or (h)(3). Rhodia will comply with (h)(2) which states a boiler or heater that has been issued a final permit under 40 CFR 270 and complies with 40 CFR 266 Subpart H.
- 144 [40 CFR 63.139(c)(1)(iii)] Route organic hazardous air pollutant emissions to an enclosed combustion device having a minimum Residence time ≥ 0.5 sec at a minimum temperature of 760 degrees C. Unit No. 2 Regen furnace is the primary control device for TS tanks that are subject to vapor control per 63.133(a)(2) if/when notice is received from a customer that a HON Group 1 wastewater or residual has been shipped to us. Per 63.139(d)(4)(iii)(A), this unit is exempt from 63.139(d)(1)-(3) and 63.143. Subpart G. [40 CFR 63.139(c)(1)(iii)]
- 145 [LAC 33:III.1101.B] Which Months: All Year Statistical Basis: None specified
 Opacity ≤ 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Three-hour average VOC, Total ≥ 95 % control efficiency. Vapor loss control system shall be capable of minimum VOC control efficiency of 95% for compliance of all tanks vented to it. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
- 146 [LAC 33:III.2103.E.1] Which Months: All Year Statistical Basis: None specified
 Determine compliance with LAC 33:III.2103.E using the methods in LAC 33:III.2103.H.2.a-e, where appropriate.

- 147 [LAC 33:III.2103.H.2] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 148 [LAC 33:III.2103.I.]

EQT 0282 U2-SFurn - Unit 2 Sulfur Furnace

- 149 [LAC 33:III.1101.B] Opacity ≤ 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified

EQT 0283 U1-Proc - Unit 1 Process

- 150 [LAC 33:III.1511.E] Sulfuric acid monitored by technically sound method daily. Monitor the H₂SO₄ production rate.
 Which Months: All Year Statistical Basis: None specified
 Sulfuric acid recordkeeping by electronic or hard copy daily. Record the H₂SO₄ production rate.
- 151 [LAC 33:III.1513.A.3]

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
 Activity Number: PER20070006
 Permit Number: 0840-00033-V2
 Air - Title V Regular Permit Renewal

Group: PCS 0002 TS Process**EQT 0283 U1-Proc - Unit 1 Process**

152 [LAC 33:III.5109.A.1]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 MACT applies for metals only and therefore is determined to be compliance with the BIF permit.

EQT 0284 U2-Proc - Unit 2 Process

153 [LAC 33:III.1511.E]

Sulfuric acid monitored by technically sound method daily. Monitor the H₂SO₄ production rate.

Which Months: All Year Statistical Basis: None specified

Sulfuric acid recordkeeping by electronic or hard copy daily. Record the H₂SO₄ production rate.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 MACT applies for metals only and therefore is determined to be compliance with the BIF permit.

FUG 0003 FUG-TS - Treatment Services Fugitive Emissions

156 [40 CFR 60.112b(a)(3)(i)]

Closed vent system (no detectable emissions): VOC, Total < 500 ppm above background as indicated by instrument readings and visual inspections, as determined in Subpart VV, 40 CFR 60.485(c). Subpart Kb. [40 CFR 60.112b(a)(3)(i)]

Which Months: All Year Statistical Basis: None specified

Equip with a closed vent system and control device. Design the closed vent system to collect all VOC vapors and gases discharged from the storage vessel and operate with no detectable emissions. Subpart Kb. [40 CFR 60.112b(a)(3)]

Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(A)]

157 [40 CFR 60.112b(a)(3)]

Install, operate, and maintain a cover on each container used to handle, transfer, or store waste. Subpart FF. [40 CFR 61.345(a)(1)]

If the cover and closed-vent system operates such that the treatment process and wastewater treatment system unit are maintained at a pressure less than atmospheric pressure, the owner or operator may operate the system with an opening that is not sealed and kept closed at all times provided the opening is designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 61.355(h). Subpart FF. [40 CFR 61.348(e)(3)ii]

158 [40 CFR 61.343(a)(1)(i)(A)]

Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]

Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
Activity Number: PER20070006
Permit Number: 0840-00033-V2
Air - Title V Regular Permit Renewal

Group: PCS 0002 TS Process**FUG 0003 FUG-TS - Treatment Services Fugitive Emissions**

- 163 [40 CFR 61.354(f)(1)] Closed-vent system (bypass line): Seal or closure mechanism monitored by visual inspection/determination monthly. Check the position of the valve and the condition of the car-seal or closure mechanism required under 40 CFR 61.349(a)(1)(ii) to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart FF. [40 CFR 61.354(f)(1)]
- Which Months: All Year Statistical Basis: None specified
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- Conduct initial inspection of closed vent system on TS tanks in accordance with Method 21 as specified in 40 CFR 63.148(c)(1). Conduct annual inspection for visible, audible, or olfactory indications of leaks. This requirement only applies if/when notice is received from a customer that a HON Group 1 wastewater or residual has been shipped to Rhodia. Subpart G. [40 CFR 63.148(c)(1)]
- Vapor collection system or closed vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. This requirement only applies if/when notice is received from a customer that a HON Group 1 wastewater or residual has been shipped to Rhodia. Subpart G. [40 CFR 63.148(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- Vapor collection system or closed vent system (bypass lines): Secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. This requirement only applies if/when notice is received from a customer that a HON Group 1 wastewater or residual has been shipped to Rhodia. Subpart G. [40 CFR 63.148(f)(2)]
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.148(j)(1) through (j)(6). This requirement only applies if/when notice is received from a customer that a HON Group 1 wastewater or residual has been shipped to Rhodia. Subpart G. [40 CFR 63.148(i)]
- Submit the information specified in 40 CFR 63.148(j)(1) through (j)(3) with the reports required by 40 CFR 63.182(b) of subpart H or 40 CFR 63.152(c). This requirement only applies if/when notice is received from a customer that a HON Group 1 wastewater or residual has been shipped to Rhodia. Subpart G. [40 CFR 63.148(j)]
- Comply with 40 CFR 264 BB and 40 CFR 61 Subpart V by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with LA MACT Determination for nonHON Sources.
- Emits Class III TAP (via process group PCS0002), and emits Class I and/or Class II TAP (via process group PCS0002) less than the MER (facility wide). Chapter 51 MACT is not required. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- VOC, Total monitored by technically sound method within 90 days of placing equipment back in service that had been physically removed from HON Equipment Leaks (March 30, 1995).
- Which Months: All Year Statistical Basis: None specified
- 164 [40 CFR 61.356] 165 [40 CFR 63.148(c)(1)] 166 [40 CFR 63.148(f)(2)] 167 [40 CFR 63.148(f)(2)] 168 [40 CFR 63.148(i)] 169 [40 CFR 63.148(j)] 170 [LAC 33:III.501] 171 [LAC 33:III.5107.A.2] 172 [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
 Activity Number: PER20070006
 Permit Number: 0840-00033-V2
 Air - Title V Regular Permit Renewal

Group: PCS 0002 TS Process**FUG 0003 FUG-TS - Treatment Services Fugitive Emissions**

- 173 [LAC 33:III.5109.A] Pressure relief device in gas/vapor service: VOC, Total < 500 ppm except during pressure releases, as measured by the method specified in Section P.3, as specified in Section F.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Which Months: All Year Statistical Basis: None specified
- 174 [LAC 33:III.5109.A] Valves in gas/vapor service and in light liquid service (percent leaking valves <= 2 for two consecutive semiannual leak detection periods): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Paragraph J.2.b of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995). Optional alternative to quarterly monitoring. Which Months: All Year Statistical Basis: None specified
- 175 [LAC 33:III.5109.A] Comply with the test methods and procedures in Section P, as specified in Subsections P.1 through P.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 176 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service (opened or otherwise had the seal broken): VOC, Total monitored by the regulation's specified method(s) within 90 days after being returned to VOTAP service. Monitor each connector that has been opened or has otherwise had the seal broken, including those determined to be unrepairable prior to process unit shutdown, as specified in Paragraph O.8.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9, unless it is determined to be unrepairable, in which case it is counted as unrepairable. Which Months: All Year Statistical Basis: None specified
- 177 [LAC 33:III.5109.A] Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in VOTAP service and, if the pump is covered by standards under NSPS, is not in VOC service, as specified in Paragraph D.4.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.
- 178 [LAC 33:III.5109.A] Delay of Repair: Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible without a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- 179 [LAC 33:III.5109.A] Pumps in light liquid service (dual mechanical seal system): Equip each barrier fluid system with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Paragraph D.4.c of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.
- 180 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service (welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P or by testing using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection O. Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AID: 1314 - Rhodia Inc
Activity Number: PER20070006
Permit Number: 0840-00033-V2
Air - Title V Regular Permit Renewal

Group: PCS 0002 TS Process**FUG 0003 FUG-TS - Treatment Services Fugitive Emissions**

181 [LAC 33:III.5109.A]

Instrument systems and pressure relief devices in liquid service; and pumps, valves, connectors, and agitators in heavy liquid service: VOC, Total monitored by the regulations specified method(s) within 5 days of finding evidence of a potential leak by visual, audible, olfactory, or any other detection method, as specified in Section K.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Monitor using the method specified in Subsection P.2. If an instrument reading of 10000 ppm or greater for agitators, 2000 ppm or greater for pumps or 1000 ppm or greater for valves, connectors, instrument systems, or pressure relief devices is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection K.3.

Which Months: All Year. Statistical Basis: None specified
Connectors in gas/vapor service and in light liquid service: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Subsection O.8. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar), if pump is in service, as specified in Paragraph D.1.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If there are indications of liquids dripping from the pump seal, monitor within 5 days by the methods specified in Subsection P.2.
Which Months: All Year. Statistical Basis: None specified
Pressure relief device in gas/vapor service: After each pressure release, return to a condition of no leakage, as indicated by an instrument reading of less than 500 ppm, as soon as practicable, but no later than five calendar days after each pressure release, except as provided in Section M, as specified in Section F.2.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Valves in gas/vapor service and in light liquid service (skip period leak detection and repair): Notify DEQ 30 days before implementing any of the alternate provisions of Section J, as specified in Subsection R.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

Sampling connection systems: Equip with a closed-purge system or closed-vent system, except as provided for in Section C, as specified in Subsection G.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Ensure that this system collects or captures the sample purge for return to the process.

182 [LAC 33:III.5109.A]

183 [LAC 33:III.5109.A]

184 [LAC 33:III.5109.A]

185 [LAC 33:III.5109.A]

186 [LAC 33:III.5109.A]

187 [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
 Activity Number: PER20070006
 Permit Number: 0840-00033-V2
 Air - Title V Regular Permit Renewal

Group: PCS 0002 TS Process**FUG 0003 FUG-TS - Treatment Services Fugitive Emissions**

- 188 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service (percent of leaking connectors > 2): VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within six months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P. If an instrument reading $\geq 1000 \text{ ppm}$ is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
- Which Months: All Year Statistical Basis: None specified
- Pumps in light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection D.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.
- Connectors in gas/vapor service and in light liquid service: Calculate the percent leaking connectors using the equation in Subsection O.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Pumps in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly. Monitor to detect leaks using the methods specified in Subsection P.2, except as provided in Subsection C.4 and Subsections D.4, D.5, and D.6, as specified in Paragraph D.1.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If an instrument reading of 2000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions as specified in Subsection D.3.
- Which Months: All Year Statistical Basis: None specified
- Instrument systems and pressure relief devices in liquid service; and pumps, valves, connectors, and agitators in heavy liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection K.3 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.
- Submit report: Due semiannually starting six months after the initial report required in Subsection R.1. Include the information specified in Paragraphs R.2.a through R.2.e, as specified in Subsection R.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Open-ended valves or lines: Monitor and repair in accordance with Section I, as specified in Subsection H.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
Activity Number: PER20070006
Permit Number: 0840-00033-V2
Air - Title V Regular Permit Renewal

Group: PCS 0002 TS Process**FUG 0003 FUG-TS - Treatment Services Fugitive Emissions**

- 195 [LAC 33:III.5109.A] Pumps in light liquid service (dual mechanical seal system): Equipment/operational data monitored by visual inspection/determination daily, if pump is in service. Check sensor daily or equip with an audible alarm, as specified in Subparagraph D.4.e.i of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in Paragraph D.4.e.ii, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1.
- Which Months: All Year Statistical Basis: None specified
- Valves in gas/vapor service and in light liquid service (difficult-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve at least once per calendar year, as specified in Subsection 1.6.c of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1.
- Which Months: All Year Statistical Basis: None specified
- VOC, Total monitored by logbook within 90 days of placing equipment back in service that had been physically removed from service, VOC, Total record as required in Subsection Q.5, as specified in Subsection C.5 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve that seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line or during maintenance and repair, as specified in Subsection H.1 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Connectors in gas/vapor service and in light liquid service (percent of leaking connectors <= 2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Annual monitoring shall be performed per the Louisiana Fugitive Emission Program Consolidation Guidelines which states as once every four quarters. Monitor using the method specified in Section P. If an instrument reading ≥ 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
- Which Months: All Year Statistical Basis: None specified
- Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar), if pump is in service, as specified in Paragraph D.4.d of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1.
- Which Months: All Year Statistical Basis: None specified
- Pressure relief device in gas/vapor service: VOC, Total monitored by the regulation's specified method(s) within 5 days (calendar) after the pressure release to confirm the condition of no leakage, as indicated by an instrument reading of less than 500 ppm above background, as specified in Section F.2.b of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Monitor using the method specified in Subsection P.3.
- Which Months: All Year Statistical Basis: None specified
- Open-ended valves or lines (equipped with a second valve): Operate in a manner such that the valve on the process fluid end is closed before the second valve is closed, as specified in Subsection H.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
Activity Number: PER20070006
Permit Number: 0840-00033-V2
Air - Title V Regular Permit Renewal

Group: PCS 0002 TS Process**FUG 0003 FUG-TS - Treatment Services Fugitive Emissions**

- Sampling connection systems (closed-purge or closed-vent system): Return the purged process fluid directly to the process line with zero VOTAP emissions to the atmosphere, or collect and recycle the purged process fluid with zero VOTAP emissions to the atmosphere, or be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of Section N, as specified in Subsection G.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Valves in gas/vapor service and in light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than two meters above a support service, as specified in Subsection I.6.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection I.1.
- Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Subparagraph D.4.e.ii of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, as specified in Section Q of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995).
- Valves in gas/vapor service and in light liquid service (percent leaking valves ≥ 4): VOC, Total monitored by the regulation's specified method(s) monthly, as specified in Subsection I.7 of the Louisiana MACT Determination for Non-HON Equipment Leak (March 30, 1995).
- Monitor using the method specified in Subsection P.2. Initiate monthly monitoring within 60 days of the previous monitoring and continue until the percent of leaking valves is less than 4, at which time monitoring can be performed in accordance with Subsection I.1.
- Which Months: All Year Statistical Basis: None specified
- Valves in gas/vapor service and in light liquid service: Repair leaks as soon as practicable, but no later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection I.3 and I.4 of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Make a first attempt at repair no later than 5 calendar days after each leak is detected.
- Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure, or equip with a barrier fluid degassing reservoir that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emissions to the atmosphere, as specified in Paragraph D.4.a of the Louisiana MACT Determination for Non-HON Equipment Leaks (March 30, 1995). Comply with this requirement instead of the requirements in Subsection D.1.

RLP 0013 2 - Sulfuric Acid Unit No. 2

- 211 [40 CFR 60.31(d)] Shall not emit more than 0.5 pound of sulfuric acid mist per ton of sulfuric acid produced. However, Rhodia will comply with the requirement of the Consent Decree, which is 0.15 pounds of sulfuric acid mist per ton of sulfuric acid produced. Subpart Cd. [40 CFR 60.31(d)]

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
Activity Number: PER20070006
Permit Number: 0840-00033-V2
Air - Title V Regular Permit Renewal

Group: PCS 0002 TS Process**RUP 0013 2 - Sulfuric Acid Unit No. 2**

212 [40 CFR 60 Subpart H]

Conduct a SO₂ Performance Test by May 1, 2011, to demonstrate compliance with the 3-hour average SO₂ emissions limit. The test must consist of at least 9 runs and be conducted pursuant to 40 CFR Part 60, Appendix A, Reference Method 8 and Appendix B, Performance Specification 2. This can serve as the CEMS relative accuracy test required under Performance Specification 2, and as applicable, the required NSPS performance test under 40 CFR 60.8.

213 [40 CFR 60 Subpart H]

Effective January 1, 2011, Rhodia will comply with the reporting requirements for sulfuric acid plants set forth in 40 C.F.R. Part 60, Subpart H. Effective January 1, 2011, meet a limit of 3.0 lbs SO₂/ton, expressed as lbs. of SO₂ emissions per ton of 100% sulfuric acid produced, averaged over each rolling 3-hour period. This limit does not apply during periods of Startup, Shutdown or Malfunction. For the purposes of this requirement, startup and shutdown are defined as follows. Startup is the 24-hour period when the sulfur-bearing feed starts after a main gas blower shutdown. Shutdown is the stopping of operation for any reason, beginning at the time sulfur-bearing feeds (except for natural gas and fuel oil) to the furnace cease.

214 [40 CFR 60 Subpart H]

Effective January 1, 2011, Rhodia will comply with the monitoring requirements for sulfuric acid plants set forth in 40 C.F.R. Part 60.8. Effective January 1, 2011, Rhodia will comply with the recordkeeping requirements for sulfuric acid plants set forth in 40 C.F.R. Part 60, Subpart H.

215 [40 CFR 60 Subpart H]

Effective January 1, 2011, meet a 365-day rolling average limit of 2.2 lbs. of SO₂ per ton of 100% sulfuric acid produced, averaged over all operating hours in a rolling 365-day period. This limit applies at all times, including periods of startup, shutdown and malfunction. Operating hours are defined as all periods when sulfur-bearing compounds, except natural gas and fuel oil, are fed to the furnace. (Commence monitoring on January 1, 2011 and demonstrate compliance by January 1, 2012.)

216 [40 CFR 60 Subpart H]

Which months: All Year Statistical Basis: 365-day rolling average.
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

217 [40 CFR 60 Subpart H]

Which Months: All Year Statistical Basis: Six-minute average
 Sulfur dioxide <= 2000 ppmv. This requirement applies from the effective date until December 31, 2010.

218 [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Three-hour average
 Acid mist <= 0.5 lb/ton (pound of sulfuric acid mist per ton of sulfuric acid produced) (0.25 kg/metric ton) of 100% H₂SO₄. This requirement applies from the effective date until December 31, 2010.

219 [LAC 33:III.1503.A.1]

Which Months: All Year Statistical Basis: Three-hour average
 Determine compliance with the appropriate emission limitation in LAC 33:III.1503.A through 1503.C using the methods listed in LAC 33:III.1503.D. Table 4 or any such equivalent method as may be approved by DEQ. Use these methods for initial compliance determinations and for any additional compliance determinations as requested by DEQ. This requirement applies from the effective date until December 31, 2010.

220 [LAC 33:III.1503.A.2]

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SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
Activity Number: PER20070006
Permit Number: 0840-00033-V2
Air - Title V Regular Permit Renewal

Group: PCS 0002 TS Process**RLP 0013 2 - Sulfuric Acid Unit No. 2**

222 [LAC 33:III.1511.A]

Sulfur dioxide monitored by continuous emission monitor (CEM) continuously, except as specified in LAC 33:III.1511.C and 1511.D. Ensure that the measurement system is certified according to Performance Specification 2 of 40 CFR 60 Appendix B, and quality assured by the procedures in 40 CFR 60 Appendix F. Prior to January 1, 2011, Minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time. Up to 20 minutes per day for calibration will not be counted against the 90% data capture. If the analyzer is out for more than one hour, an alternate method is needed to ensure that concentration and lb/hr limits are met. As such, Rhodia will reduce the acid production rate to 1250 ton/day or conduct Reich tests at one hour intervals. Normal waste fuel feed rates may continue. If the analyzer is out for >3 days in a month, the continuous monitoring requirement can be satisfied by increasing Reich testing frequency to 1.5 min intervals until the analyzer is back in service. If a spare analyzer is installed, a cylinder gas audit will be conducted on the spare analyzer prior to being put into service. RATA testing will continue using the same schedule as for the analyzer that was replaced. This requirement applies from the effective date until December 31, 2010. On and after January 1, 2011, follow Alternative Monitoring Plan per Consent Decree.

223 [LAC 33:III.1513.A.1]

Which Months: All Year Statistical Basis: None specified

224 [LAC 33:III.1513.A.2]

Sulfur dioxide recordkeeping by continuous emission monitor (CEM) continuously. This requirement applies from the effective date until December 31, 2010. Submit compliance determination results: Due no later than 90 days after completion of test. This requirement applies from the effective date until December 31, 2010.

225 [LAC 33:III.1513.A.2]

Submit compliance determination results: Due no later than 90 days after completion of test. This requirement applies from the effective date until December 31, 2010. Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence. Record the initial and additional compliance determination data. This requirement applies from the effective date until December 31, 2010.

226 [LAC 33:III.1513.E]

Submit excess emissions report: Due quarterly in accordance with LAC 33:I Chapter 39. Submit reports of three-hour excess emissions and reports of emergency conditions. This requirement applies from the effective date until December 31, 2010.

227 [LAC 33:III.1513.E]

Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III Chapter 15. This requirement applies from the effective date until December 31, 2010.

228 [LAC 33:III.1513.E]

Make all compliance data available to a representative of DEQ or the U.S. EPA on request. This requirement applies from the effective date until December 31, 2010.

229 [LAC 33:III.1513]

Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least five years the data required to demonstrate compliance with the provisions of LAC 33:III Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. This requirement applies from the effective date until December 31, 2010.

230 [LAC 33:III.501.C.6]

Rhodia shall install continuous emission monitors (CEMs) for NO_x as part of the debottlenecking project. STATE ONLY. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

RLP 0014 3 - Sulfuric Acid Unit No. 1

232 [40 CFR 60.31(d)]

Shall not emit more than 0.5 pound of sulfuric acid mist per ton of sulfuric acid produced. However, Rhodia will comply with the requirement of the Consent Decree, which is 0.15 pounds of sulfuric acid mist per ton of sulfuric acid produced. Subpart Cd. [40 CFR 60.31(d)]

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
Activity Number: PER20070006
Permit Number: 0840-00033-V2
Air - Title V Regular Permit Renewal

Group: PCS 0002 TS Process**RLP 0014 3 - Sulfuric Acid Unit No. 1**

- Effective May 1, 2012, Rhodia will comply with the monitoring requirements for SO₂ set forth in the Alternative Monitoring Plan approved by EPA and LDEQ on July 23, 2007.
- Effective May 1, 2012, meet a limit of 3.0 lbs. of SO₂/ton, expressed as lbs. of SO₂ emissions per ton of 100% sulfuric acid produced, averaged over each rolling 3-hour period. This limit does not apply during periods of Startup, Shutdown or Malfunction. For the purposes of this requirement, startup and shutdown are defined as follows. Startup is the 24-hour period when the sulfur-bearing feed starts after a main gas blower shutdown. Shutdown is the stopping of operation for any reason, beginning at the time sulfur-bearing feeds (except for natural gas and fuel oil) to the furnace cease.
- Effective May 1, 2012, Rhodia will comply with the recordkeeping requirements for sulfuric acid plants set forth in 40 C.F.R. Part 60, Subpart H.
- Effective May 1, 2012, meet a 365-day rolling average limit of 1.9 lbs. of SO₂ per ton of 100% sulfuric acid produced, averaged over all operating hours in a rolling 365-day period. This limit applies at all times, including periods of startup, shutdown and malfunction. Operating hours are defined as all periods when sulfur-bearing compounds, except natural gas and fuel oil, are fed to the furnace. (Commence monitoring on May 1, 2012 and demonstrate compliance by May 1, 2013.)
- Which months: All year Statistical Basis: 365-day rolling a average.
- Conduct a SO₂ Performance Test by August 29, 2012, to demonstrate compliance with the 3-hour average SO₂ emissions limit. Such test must consist of at least 9 runs and be conducted pursuant to 40 CFR Part 60, Appendix A, Reference Method 8 and Appendix B, Performance Specification 2. This can serve as the CEMS relative accuracy test required under Performance Specification 2, and as applicable, the required NSPS performance test under 40 CFR 60.8.
- Effective May 1, 2012, Rhodia will comply with the reporting requirements for sulfuric acid plants set forth in 40 C.F.R. Part 60, Subpart H.
- Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
- Acid mist <= 0.5 lb/ton of 100% H₂SO₄. This requirement applies from the effective date until April 30, 2012.
- Which Months: All Year Statistical Basis: Three-hour average
- Sulfur dioxide <= 2000 ppmv. This requirement applies from the effective date until April 30, 2012.
- Which Months: All Year Statistical Basis: Three-hour average
- Determine compliance with the appropriate emission limitation in LAC 33.III.1503.A through 1503.C using the methods listed in LAC 33.III.1503.D. Table 4 or any such equivalent method as may be approved by DEQ. Use these methods for initial compliance determinations and for any additional compliance determinations as requested by DEQ. This requirement applies from the effective date until April 30, 2012.

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
 Activity Number: PER20070006
 Permit Number: 0840-00033-V2
 Air - Title V Regular Permit Renewal

Group: PCS 0002 TS Process**RLP 0014 3 - Sulfuric Acid Unit No. 1**

243 [LAC 33:III.1511.A]

Sulfur dioxide monitored by continuous emission monitor (CEM) continuously, except as specified in LAC 33:III.1511.C and 1511.D. Ensure that the measurement system is certified according to Performance Specification 2 of 40 CFR 60, Appendix B, and quality assured by the procedures in 40 CFR 60, Appendix F. Prior to May 1, 2012, Minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time. Up to 20 minutes per day for calibration will not be counted against the 90% data capture. If the analyzer is out for more than one hour, an alternate method is needed to ensure that concentration and lb/hr limits are met. As such, Rhodia will reduce the acid production rate to 425 ton/day or conduct Reich tests at one hour intervals. Normal waste fuel feed rates may continue. If the analyzer is out for >3 days in a month, the continuous monitoring requirement can be satisfied by increasing Reich testing frequency to 15 min intervals until the analyzer is back in service. If a spare analyzer is installed, a cylinder gas audit will be conducted on the spare analyzer prior to being put into service. RATA testing will continue using the same schedule as for the analyzer that was replaced. This requirement applies from the effective date until April 30, 2012. On and after May 1, 2012, Comply with Alternative Monitoring Plan per Consent Decree.

244 [LAC 33:III.1513.A.1]

Which Months: All Year Statistical Basis: None specified
 Sulfur dioxide recordkeeping by continuous emission monitor (CEM) continuously. This requirement applies from the effective date until April 30, 2012.

245 [LAC 33:III.1513.A.2]

Submit compliance determination results: Due no later than 90 days after completion of test. This requirement applies from the effective date until April 30, 2012.

246 [LAC 33:III.1513.A.2]

Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence. Record the initial and additional compliance determination data. This requirement applies from the effective date until April 30, 2012.

247 [LAC 33:III.1513.E.]

Make all compliance data available to a representative of DEQ or the U.S. EPA on request. This requirement applies from the effective date until April 30, 2012.

248 [LAC 33:III.1513.E.]

Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. This requirement applies from the effective date until April 30, 2012.

249 [LAC 33:III.1513.E.]

Submit excess emissions report: Due quarterly in accordance with LAC 33:1 Chapter 39. Submit reports of three-hour excess emissions and reports of emergency conditions. This requirement applies from the effective date until April 30, 2012.

250 [LAC 33:III.501.C.6]

Rhodia shall install continuous emission monitors (CEMs) for NO_x as part of the debottlenecking project. STATE ONLY.
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

EQT 0140 10 - Preheater; Acit Unit No. 1

252 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

253 [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
Activity Number: PER20070006
Permit Number: 0840-00033-V2
 Air - Title V Regular Permit Renewal

EQT 0140 10 - Preheater; Acid Unit No. 1

254 [LAC 33:III.1513.C]

Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

EQT 0141 11 - Lime Silos

255 [LAC 33:III.1311.B]

Total suspended particulate $\leq 32.95 \text{ lb/hr}$ using a max hourly operating rate throughput of 22.5 tons/hr. The rate of emission shall be the total of all emission points from the source.

Which Months: All Year Statistical Basis: None specified

Opacity ≤ 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

EQT 0142 12 - Oleum Loading Vent Scrubber

257 [LAC 33:III.501.C.6]

Flow rate recordkeeping by electronic or hard copy once every four hours. Applies only when venting to atmosphere. This requirement does not apply during periods of planned routine maintenance on the scrubber. STATE ONLY.

Scrubber Flow rate $\geq 50 \text{ gallons/min}$. Based on a four-hour block average. Applies only when venting to atmosphere. This requirement does not apply during periods of planned routine maintenance on the scrubber. During periods of planned routine maintenance on the scrubber, the oleum tank and loading vents will either be routed to the process or to a backup portable scrubber. STATE ONLY.

Which Months: All Year Statistical Basis: Four-hour average
 Flow rate monitored by flow rate monitoring device once every four hours. Applies only when venting to atmosphere. This requirement does not apply during periods of planned routine maintenance on the scrubber. STATE ONLY.

Which Months: All Year Statistical Basis: None specified

Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. STATE ONLY.

Maximum scrubber solution strength of Sulfuric acid recordkeeping by electronic or hard copy weekly. Applies only when venting to atmosphere. This requirement does not apply during periods of planned routine maintenance on the scrubber. STATE ONLY.

Maximum scrubber solution strength of Sulfuric acid ≤ 20 percent. Maximum acid strength of 20%, based on a weekly sample. Applies only when venting to atmosphere. This requirement does not apply during periods of planned routine maintenance on the scrubber. During periods of planned routine maintenance on the scrubber, the oleum tank and loading vents will either be routed to the process or to a backup portable scrubber. STATE ONLY.

Which Months: All Year Statistical Basis: Weekly maximum
 Maximum scrubber solution strength of Sulfuric acid monitored by product sampling weekly. Applies only when venting to atmosphere. This requirement does not apply during periods of planned routine maintenance on the scrubber. STATE ONLY.

Which Months: All Year Statistical Basis: Weekly maximum
 Maximum scrubber solution strength of Sulfuric acid monitored by product sampling weekly. Applies only when venting to atmosphere. This requirement does not apply during periods of planned routine maintenance on the scrubber. STATE ONLY.

EQT 0146 20 - Sulfur Feed Tank

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
 Activity Number: PER20070006
 Permit Number: 0840-00033-V2
 Air - Title V Regular Permit Renewal

EQT 0146 20 - Sulfur Feed Tank

264 [LAC 33:III.1513.C]

Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

EQT 0149 24 - Oleum Barge Loading Scrubber

Flow rate recordkeeping by electronic or hard copy once every four hours when barge vents are routed to scrubber. STATE ONLY.
 Flow rate ≥ 15 gallons/min when barge vents are routed to scrubber. STATE ONLY.

Which Months: All Year Statistical Basis: None specified

Flow rate monitored by flow rate monitoring device once every four hours when barge vents are routed to scrubber. STATE ONLY.
 Which Months: All Year Statistical Basis: None specified

Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. STATE ONLY.
 Scrubber water must be replaced after every two barges loaded. STATE ONLY.

EQT 0152 28 - Gasoline Storage Tank

270 [LAC 33:III.2103.A]

Each tank, reservoir, or container with a capacity less than 40,000 gallons but more than 250 gallons storing any VOC with a vapor pressure greater than 1.5 psia shall be equipped with a submerged fill pipe or a vapor loss control system.

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

EQT 0153 6-90 - Package Boiler

272 [40 CFR 60.44b(a)]

Nitrogen oxides $<= 0.1$ lb/MMBTU heat input (expressed as NO₂), except as provided in 40 CFR 60.44b(k). The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. Subpart Db. [40 CFR 60.44b(a)]

Which Months: All Year Statistical Basis: Thirty-day rolling average
 Comply with the provisions of 40 CFR 60.48b(b), (c), (d), (e)(2), (e)(3), and (f), or monitor steam generating unit operating conditions and predict nitrogen oxides emission rates as specified in a plan submitted pursuant to 60.49b(c). Subpart Db. [40 CFR 60.48b(g)]

Submit excess emissions report: Due by the 30th day following the end of each six-month period. Report any excess emissions which occurred during the reporting period. Subpart Db. [40 CFR 60.49b(h)]
 Submit reports containing the nitrogen dioxide emission rate information recorded under 40 CFR 60.49b(g). Subpart Db. [40 CFR 60.49b(i)]
 Opacity $>= 20$ percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate $<= 0.6$ lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified

277 [LAC 33:III.1313.C]

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
Activity Number: PER20070006
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EQT 0153 6-90 - Package Boiler

278 [LAC 33:III.1513.C]

Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

EQT 0186 1-06 - Rental Boiler

279 [40 CFR 60.49b(b)]

Subpart Db. [40 CFR 60.49b(b)]

Fuel rate recordkeeping by electronic or hard copy daily. Record the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. Subpart Db. [40 CFR 60.49b(d)]

281 [40 CFR 60.49b(o)]

Maintain all records required under 40 CFR 60.49b for a period of 2 years following the date of such record. Subpart Db. [40 CFR 60.49b(o)]
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the calendar date, the number of hours of operation, and the hourly steam load for each steam generating unit operating day. Subpart Db. [40 CFR 60.49b(p)]

282 [40 CFR 60.49b(p)]

Submit a report to DEQ containing the annual capacity factor over the previous 12 months, the average fuel nitrogen content during the reporting period if residual oil was fired, and all other applicable information per 40 CFR 60.49b(q)(1) through (q)(3). Subpart Db. [40 CFR 60.49b(q)]
 Report information specified in 40 CFR 60.49b(d); (o); (p); (q) and (w). Semi-annual reporting.

284 [40 CFR 60.49b]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

286 [LAC 33:III.1513.C]

Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.

287 [LAC 33:III.1513.C]

Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

288 [LAC 33:III.501.C.6]

heat input: Operating only when Unit No. 2 Regen Furnace is down (Unit No. 2 Sulfur Furnace may be operating); when the Unit No. 2 Regen Furnace is starting up, shutting down, or experiencing process problems such that sudden shutdown is anticipated; when the Package Boiler, Emission Point 6-90, is down for maintenance, inspection, repair, etc. The Rental Boiler is also permitted to operate for its testing or troubleshooting irrespective of the other equipment.

289 [LAC 33:III.501.C.6]

heat input monitored by technically sound method as needed.
 Which Months: All Year Statistical Basis: None specified
 heat input recordkeeping by electronic or hard copy monthly. Keep records of the rental boiler firing rate for each month for the last twelve months. Make records available for inspection by DEQ personnel.
 heat input Submit report: Due annually, by the 31st of March. Report the rental boiler heat input for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

GRP 0002 CAP-SAU - SULFURIC ACID UNITS 1 & 2

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SPECIFIC REQUIREMENTS

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GRP 0002 CAP-SAU - SULFURIC ACID UNITS 1 & 2

Group Members: RLP 0013 RLP 0014

- 292 [LAC 33:III.509.R.6.a] Before beginning actual construction of the project, permittee shall document and maintain a record of the following information: 1) a description of the project; 2) the emissions units whose emissions of a regulated pollutant could be affected by the project; and 3) a description of the applicability test used to determine that the project is not a major modification for any regulated pollutant, including the baseline actual emissions, the projected actual emissions, the amount of emissions excluded from the projected actual emissions (the demand growth exclusion) and an explanation for why such amount was excluded, and any netting calculations, if applicable.
- 293 [LAC 33:III.509.R.6.c] After the first unit is debottlenecked, the permittee shall monitor the Sulfuric Acid Mist emissions that are emitted by this emission source (Unit 1 + Unit 2) which could increase as a result of the project and calculate and maintain a record of the annual emissions, in TPY on a 12-month rolling average basis, for a period of 10 years following resumption of regular operations after the change. Sulfuric Acid Emissions shall be estimated using actual production and an emission factor derived from biennial stack testing or other method approved by LDEQ Engineering. Permittee shall submit a report to LDEQ within 60 days after the end of the year if annual emissions, in TPY, from the project in question exceed the baseline actual emissions by a "significant" (as defined in LAC 33:III.509.B) amount, and if such emissions differ from the preconstruction projection. This report shall contain the following: 1) the name, address, and telephone number of the major stationary source; 2) the annual emissions; and 3) any other information that the owner or operator wishes to include in the report (e.g., an explanation as to why the emissions differ from the preconstruction projection).
- 294 [LAC 33:III.509.R.6.e]

GRP 0021 CAP-Comb - CAP - Combustion (Unit 1, Unit 2, Rental Boiler)

Group Members: EQT 0186 RLP 0013 RLP 0014

- 295 [LAC 33:III.509.R.6.a] Before beginning actual construction of the project, permittee shall document and maintain a record of the following information: 1) a description of the project; 2) the emissions units whose emissions of a regulated pollutant could be affected by the project; and 3) a description of the applicability test used to determine that the project is not a major modification for any regulated pollutant, including the baseline actual emissions, the projected actual emissions, the amount of emissions excluded from the projected actual emissions (the demand growth exclusion) and an explanation for why such amount was excluded, and any netting calculations, if applicable.
- 296 [LAC 33:III.509.R.6.c] After the first unit is debottlenecked, the permittee shall monitor the PM10 emissions that are emitted by this emission source (Unit 1 + Unit 2) which could increase as a result of the project and calculate and maintain a record of the annual emissions, in TPY on a 12-month rolling average basis, for a period of 10 years following resumption of regular operations after the change. Emissions shall be estimated using actual production and an emission factor derived from biennial stack testing or other method approved by LDEQ Engineering.
- 297 [LAC 33:III.509.R.6.c] After the first unit is debottlenecked, the permittee shall monitor the NOx emissions that are emitted by this emission source (Unit 1 + Unit 2) which could increase as a result of the project and calculate and maintain a record of the annual emissions, in TPY on a 12-month rolling average basis, for a period of 10 years following resumption of regular operations after the change. Emissions shall be estimated using actual production and the emission factor(s) established in the air permit application, except for debottlenecked units which shall use data collected from NOx CEMs.

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
 Activity Number: PER2007006
 Permit Number: 0840-00033-V2
 Air - Title V Regular Permit Renewal

GRP 0021 CAP-Comb - CAP - Combustion (Unit 1, Unit 2, Rental Boiler)

298 [LAC 33:III.509.R.6.c]

Permittee shall submit a report to LDEQ within 60 days after the end of the year if annual emissions, in TPY, from the project in question exceed the baseline actual emissions by a "significant" (as defined in LAC 33:III.509.B) amount, and if such emissions differ from the preconstruction projection. This report shall contain the following: 1) the name, address, and telephone number of the major stationary source; 2) the annual emissions; and 3) any other information that the owner or operator wishes to include in the report (e.g., an explanation as to why the emissions differ from the preconstruction projection).

UNF 0002 UNF02 - Facility Wide

- 299 [40 CFR 60] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 300 [40 CFR 61.145(b)(1)] Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies.
- Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]
- 301 [40 CFR 61.148] Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.
- 302 [40 CFR 61.355] Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.
- 303 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Rhodia maintains records for five years as required by Title V. Subpart FF.
- Submit report: Due annually, beginning on the date that equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(d)(2)]
- 304 [40 CFR 61.357(d)(2)] All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
- An owner or operator of a stationary source who is in the relevant source category and who determines that the source is not subject to a relevant standard or other requirement established under 40 CFR 63 Subpart A must keep a record as specified in 63.10(b)(3).
- 305 [40 CFR 61.] [40 CFR 63.1(b)(3)]
- 306 [40 CFR 63.1(b)(3)]
- 307 [40 CFR 63.1095(a)(1)iii] Keep a record of each shipment of continuous butadiene waste streams. Subpart XX. [40 CFR 63.1095(a)(1)iii]
- 308 [40 CFR 63.1095(a)(1)] Route the continuous butadiene stream to a treatment process or wastewater treatment system used to treat benzene waste streams that complies with the standards specified in 40 CFR 61.348. Subpart XX. [40 CFR 63.1095(a)(1)]
- 309 [40 CFR 63.1095(a)(1)] Include list of continuous butadiene waste streams in annual benzene NESHAP report and note whether or not streams were controlled. 40 CFR 63.1095(a)(1)(iv) & (v). Subpart XX. [40 CFR 63.1095(a)(1)]
- 310 [40 CFR 63.1095(a)(1)] Comply with the requirements of 40 CFR 61 Subpart FF, with the changes in 40 CFR 63 Subpart XX Table 2 and 40 CFR 63.1095(a)(1)(i) through (a)(1)(v). Subpart XX. [40 CFR 63.1095(a)(1)]

SPECIFIC REQUIREMENTS

AI ID: 1314 - Rhodia Inc
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Air - Title V Regular Permit Renewal

UNF 0002 UNF02 - Facility Wide

- 311 [40 CFR 63.1095(a)(3)] Comply with the requirements of 40 CFR 63.1095 at all times except during periods of startup, shutdown, and malfunction, if the startup, shutdown, or malfunction precludes the ability of the affected source to comply with the requirements of 40 CFR 63.1095 and the provisions for periods of startup, shutdown, and malfunction, as specified in 40 CFR 63.1111, are followed. Subpart XX. [40 CFR 63.1095(a)(3)]
- 312 [40 CFR 63.1096(b)] Submit to EPA a written certification that affected waste streams will be managed and treated per the applicable sections in 40 CFR 63 Subpart XX. Not required unless/until written notice is received from generator of subject stream(s). Waste streams regulated under Subpart XX are to be treated and managed per 40 CFR Part 61 Subpart FF. National Emission Standards for Benzene Waste Operations. Rhodia's Baton Rouge site is already in compliance with Subpart FF and will manage XX-regulated waste streams in the same manner as for FF-regulated waste streams. Specifically, the XX-regulated waste streams will be burned as fuel in Unit No. 1 or Unit No. 2. Subpart XX. [40 CFR 63.1096(b)]
- 313 [40 CFR 63.1256(a)(5)(ii)(A)] Submit to EPA a written certification that affected wastewater and/or wastewater residuals will be managed and treated per the applicable sections in 40 CFR 63.1256 (b) - (i). Not required unless/until written notice is received from generator of subject stream(s). Affected wastewater streams and/or residuals will be direct burned (i.e., bypassing storage) in the Unit No. 1 or Unit No. 2 furnace. [40 CFR 63.1256(a)(5)(ii)(A)]
- 314 [40 CFR 63.1256(b)] Comply with 40 CFR 63.1256(b) for each wastewater tank that receives, manages, or treats affected wastewater or its residual. Only Tanks 30D290 and 30D300 will be used for Subpart GGG regulated streams. [40 CFR 63.1256(b)]
- 315 [40 CFR 63.1256(d)(1)(iii)] For containers (trucks/railcars), the cover and all openings will be maintained in a closed position at all times that affected material is in the container except when necessary to use the opening for removal, inspection, sampling, or pressure relief events related to safety considerations. [40 CFR 63.1256(d)(1)(iii)]
- 316 [40 CFR 63.1256(g)(13)ii] Discharge affected streams to a boiler burning hazardous waste for which a final permit has been issued under 40 CFR Part 270 and that complies with the requirements of 40 CFR Part 266 Subpart H. The regeneration furnaces are regulated under RCRA as industrial furnaces and are defined as boilers in 40 CFR 1251. Per 1256(g)(13), RCRA units are exempt from the design evaluation or performance test requirements and from the monitoring requirements in 1256(a)(2)(ii) as well as recordkeeping and reporting requirements associated with monitoring and performance tests. [40 CFR 63.1256(g)(13)ii]
- 317 [40 CFR 63.132(g)(2)] Submit to EPA a written certification, signed by responsible official, that Group 1 wastewaters and/or wastewater residuals will be managed and treated per the applicable sections in 40 CFR 63.133 - 63.147. Not required unless/until written notice is received from generator of subject stream(s). [40 CFR 63.132(g)(2)]
- 318 [40 CFR 63.132(g)] Rhodia will comply with the provisions for off-site treatment of Group 1 HON wastewater or wastewater residuals in accordance with 40 CFR 63.132(g) if/when applicable. Subpart G. [40 CFR 63.132(g)]
- 319 [40 CFR 63.147] Maintain records as required by 40 CFR 63.147. This requirement only applies if/when notice is received from a customer that a HON Group 1 wastewater or residual has been shipped to Rhodia. Subpart G.
- 320 [40 CFR 63.152(b)] Submit a Notification of Compliance Status (NCS) report within 150 days of the compliance date. As the treatment facility, the compliance date is the date upon which notice is first received that a HON Group 1 wastewater or wastewater residual has been received onsite. [40 CFR 63.152(b)]
- 321 [40 CFR 63.152(c)] Submit Periodic Reports: Due semiannually no later than 60 calendar days after the end of each 6-month period, except as specified in 40 CFR 63.152(c)(5) and (c)(6). Submit the first report no later than 8 months after the date the Notification of Compliance Status is due. Include the information specified in 40 CFR 63.152(c)(2) through (c)(4). Subpart G. [40 CFR 63.152(c)]

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- 322 [40 CFR 63.152(f)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records as specified in 40 CFR 63.152(f) through (f)(7). Subpart G. [40 CFR 63.152(f)]
- 323 [40 CFR 68.150] Submit Risk Management Plan (RMP). Due no later than June 21, 1999, or three years after the date on which a regulated substance is first listed under 68.130, or the date on which a regulated substance is first present above a threshold quantity in a process. Submit in a method and format to a central point as specified by EPA prior to June 21, 1999.
- 324 [40 CFR 68.155] Provide in the RMP an executive summary that includes a brief description of the elements listed in 68.155(a) through (g).
- 325 [40 CFR 68.160] Complete a single registration form and include in the RMP. Cover all regulated substances handled in covered processes. Include in the registration the information specified in 68.160(b)(1) through (13).
- 326 [40 CFR 68.165] Submit in the RMP information the release scenarios specified in 68.165(a)(2). Include the data listed in 68.165(b)(1) through (13).
- 327 [40 CFR 68.180] Provide in the RMP the emergency response information listed in 68.180(a) through (c).
- 328 [40 CFR 68.190(c)] Submit revised registration to EPA. Due within six months after a stationary source is no longer subject to 40 CFR 68. Indicate that the stationary source is no longer covered. [40 CFR 68.190(c)]
- 329 [40 CFR 68.190] Review and update the RMP as specified in 68.190(b) and submit it in a method and format to a central point specified by EPA prior to June 21, 1999.
- 330 [40 CFR 68.200] Maintain records supporting the implementation of 40 CFR 68 for five years unless otherwise provided.
- 331 [40 CFR 68.22] Use the endpoints specified in 68.22(a) through (g) for analyses of offsite consequences.
- 332 [40 CFR 68.25] Analyze the release scenarios in 68.25, as specified in 68.25(a) through (h).
- 333 [40 CFR 68.30] Estimate in the RMP the population within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a).
- 334 [40 CFR 68.33] List in the RMP environmental receptors within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a).
- 335 [40 CFR 68.36(b)] Submit revised RMP. Due within six months after changes in processes, quantities stored or handled, or any other aspect of the stationary source increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36(b)]
- 336 [40 CFR 68.36] Review and update the offsite consequence analyses at least once every five years. Complete a revised analysis within six months if changes in processes, quantities stored or handled, or any other aspect of the stationary source might reasonably be expected to increase or decrease the distance to the endpoint by a factor of two or more.
- 337 [40 CFR 68.39] Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain the records specified in 68.39(a) through (e) on the offsite consequence analyses.
- 338 [40 CFR 68.42] Include in the five-year accident history all accidental releases from covered processes that resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage. Include the information specified in 68.42(b)(1) through (10) for each accidental release.
- 339 [LAC 33:III.1.103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.1.111 or intensify an existing traffic hazard condition are prohibited.
- 340 [LAC 33:III.1.109.B] Outdoor burning of waste material or other combustible material is prohibited.

SPECIFIC REQUIREMENTS

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UNF_0002 UNF02 - Facility Wide

341 [LAC 33:III.1303.B]

Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.

342 [LAC 33:III.2113.A]

Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.

343 [LAC 33:III.219]

Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.

344 [LAC 33:III.2901.D]

Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.

345 [LAC 33:III.2901.F]

If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.

346 [LAC 33:III.501.C.6]

Total HAP <= 8.92 tons/yr. Total HAP emissions are capped at 8.92 TPY.

347 [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum
 Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, cis-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene. (State Only).

348 [LAC 33:III.501.C.6]

Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only).

349 [LAC 33:III.5105.A.1]

Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.

350 [LAC 33:III.5105.A.2]

Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.

351 [LAC 33:III.5105.A.3]

Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.

352 [LAC 33:III.5105.A.4]

Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.

353 [LAC 33:III.5107.A.2]

Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.

354 [LAC 33:III.5107.A]

Submit Annual Emissions Report: Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.

SPECIFIC REQUIREMENTS

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UNF 0002 UNF02 - Facility Wide

- 355 [LAC 33:III.5107.B.1] Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- 356 [LAC 33:III.5107.B.2] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923.
- 357 [LAC 33:III.5107.B.3] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931.
- 358 [LAC 33:III.5107.B.4] Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii.
- 359 [LAC 33:III.5107.B.5] Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- 360 [LAC 33:III.5109.C] Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.
- 361 [LAC 33:III.5113.A.1] Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.
- 362 [LAC 33:III.5113.A.2] Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.
- 363 [LAC 33:III.5113.B.1] Submit test results: Due in writing to the Office of Environmental Assessment within 60 days after completion of the test. Submit test results signed by the person responsible for the test.
- 364 [LAC 33:III.5113.B.1] Submit notification of testing: Due to the Office of Environmental Assessment at least 30 days prior to testing.
- 365 [LAC 33:III.5113.B.1] Ensure that all testing done to determine the emission of toxic air pollutants is conducted by qualified personnel.
- 366 [LAC 33:III.5113.B.2] Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ.

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- 367 [LAC 33:III.5113.B.3] Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants.
- Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through B.4.c.
- 368 [LAC 33:III.5113.B.4] Analyze samples and determine emissions within 30 days after each emission test has been completed.
- 369 [LAC 33:III.5113.B.5] Submit certified letter. Due to the Office of Environmental Assessment before the close of business on the sixtieth day following the completion of the emission test. Report the determinations of the emission test.
- 370 [LAC 33:III.5113.B.5] Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.
- 371 [LAC 33:III.5113.B.6] Submit notification: Due to the Office of Environmental Assessment at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test.
- 372 [LAC 33:III.5113.B.7] Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring systems as soon as practicable after its occurrence.
- 373 [LAC 33:III.5113.C.1] Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters.
- 374 [LAC 33:III.5113.C.5.d] Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii.
- 375 [LAC 33:III.5113.C.5.e] Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ.
- 376 [LAC 33:III.5113.C.7] An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
- 377 [LAC 33:III.5151.F.1] Permittee shall comply with the Part 70 General Conditions as set forth in LAC 33:III.5135 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority. During any Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- 378 [LAC 33:III.535] Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 379 [LAC 33:III.5611.A] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- 380 [LAC 33:III.5611.B] Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Office of Environmental Compliance.
- 381 [LAC 33:III.5901.A] Submit amended registration: Due to the Office of Environmental Compliance within 60 days after the information in the submitted registration is no longer accurate.
- 382 [LAC 33:III.5907]
- 383 [LAC 33:III.5911.A]
- 384 [LAC 33:III.5911.C]

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- 385 [LAC 33:III.919.D] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.
- 386 [LAC 33:III.927] Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:1 Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:1.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.